

BADGER STATE Smoke Signals

For Radio Amateurs • By Radio Amateurs

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Wausau Area Hams Help Dream Become Reality

"Dream Flight Wausau," a simulated eight-day space shuttle mission for more than 700 Wausau sixth-graders, became reality May 11-15 and May 17, with Amateur Radio providing communications circuits. In the photo at left, NASA Astronaut Col. Mark Brown, who has flown two real shuttle missions, talks with sixth-grader and radio amateur Ben Zimbric, N9OWB, Mission Commander for Day One. At left are sixth-grade Wausau hams Megan Nielson, N9OWC (Mission Control operator); Ben Zimbric, N9OWB; and Tom Theisen, KB9FSL. Read and see more on page 19 of this issue.

- Photos by Frederick Prehn/WX9W



Stiff FCC Fines Include Several Amateurs

Heavy Hits

The FCC has launched what is expected to be a wave of enforcement actions, including a few against amateurs. Several hundred cases - nearly all involving commercial users - are said to have been on hold while the Commission's various bureaus waited for authorization to directly levy higher monetary fines. That authority, granted April 15, raised the maximum fine that can be levied without approval by the commissioners themselves to \$20,000. Thus far, only a handful of actions have involved amateurs.

(The week of April 20), the FCC issued three Notices of Apparent Liability affecting Amateur Radio. A Technician class licensee in Lewiston, Maine, was issued an NAL for \$10,000 for using non-type accepted equipment to transmit in the Citizen's Band. Also on April 24, a non-amateur in Tampa, Florida, was issued an \$8,000 NAL for transmitting on the Amateur 40-meter band.

On the same day, an Amateur Extra Class licensee, Donald Bishop, N0EA, was issued an NAL for \$10,000 for transmitting from a mobile installation on frequencies near 7420 and 15050 kHz.

On August 1, 1991, the Commission issued new policy guidelines authorizing greatly increased amounts for fines, but the bureaus were limited to much lower ceilings of authority. Large fines had to be authorized by the commissioners themselves.

The new guidelines issued April 15 opened the fine floodgates.

In mid-March, the FCC's Field Operations Bureau visited, according to the *W5YI Report*, more than 60 persons (so-called "Freebanders") suspected of operating in the range between the top of the Citizens Band segment, 27.4 MHz, and the lower edge of the amateur 10-meter band (28.0 MHz). The Commission now may be expected to issue Notices of Apparent Liability to many of those operators.

On April 24, the FCC released details of a \$10,000 NAL to an amateur operating on the Citizens Band. David Plourde, N1IZR, of Lewiston, Maine, was found on October 9, 1991, to be transmitting on 27.215 MHz with a Kenwood "TS940-SD" (sic) and a Dentron linear. Since

Please turn to page 12

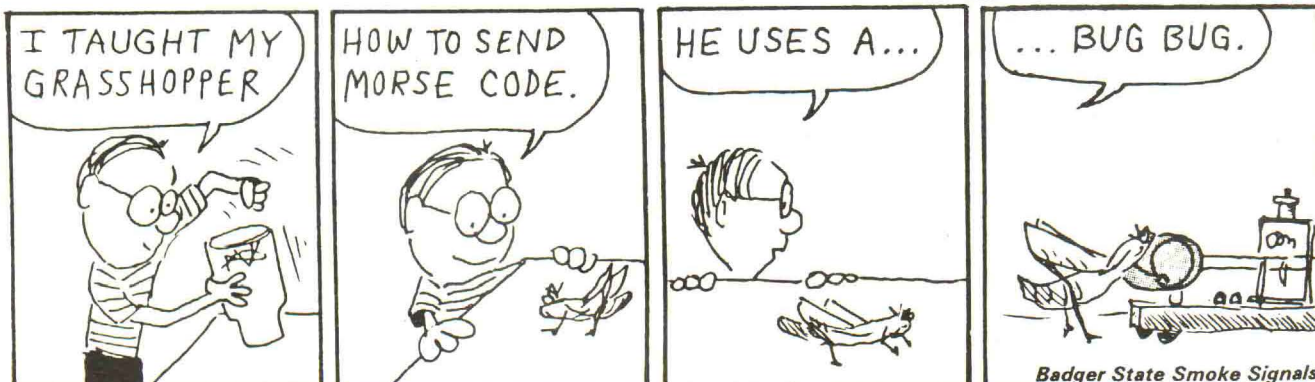
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Official Results 1992 Wisconsin QSO Party

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ELMER

By Rich Regent, K9GDF



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What's Happening

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Edited by Kenneth A. Ebnetter, K9EN • 822 Wauona Trail • Portage, WI 53901

Swapfests and Other Social Events

SUNDAY, JUNE 14, 1992. CWRA Swapfest, Stevens Point, WI. ARRL FCC exams, WAPR meeting, WNA meeting, Rib Mountain Repeater Assn. meeting. Contact Art Wysocki, N9BCA, 3356 April Lane, Stevens Point, WI. (715) 344-2984.

SATURDAY, JULY 11, 1992. South Milwaukee Swapfest, Oak Creek, WI. Contact SMARC, P.O. Box 102, South Milwaukee, WI 53172. (414) 762-3235. (see also ad elsewhere this issue.)

SATURDAY, JULY 18, 1992. Eau Claire Hamfest. at the Fairgrounds Building in Chippewa Falls, WI. Contact: Liz Searing, N9EQR, 1129 McKinley Rd., Eau Claire, WI 54701. (715) 834-1303.

AUGUST 23-23, 1992. ARRL 1992 National Convention, Los Angeles, CA. See QST for details.

SEPTEMBER 19-20, 1992. Peoria Superfest, Peoria, IL. Contact Peoria ARC, P.O. Box 3508, Peoria, IL 61612. (309) 685-6698. (see also ad on back page.)

SUNDAY, OCTOBER 11, 1992. The KMRA 1991 Computer and Ham Radio Swapfest will be held at the Waukesha County Exposition Center, Hwys. J and FT in Waukesha, WI. Contact KMRA Swapfest, P.O. Box 411, Waukesha, WI 53187-0411.

SATURDAY, NOVEMBER 14, 1992. Fort Wayne, IN Hamfest. Contact AC-ARTS, P.O. Box 10342, Fort Wayne, IN 46851.

SUNDAY, JANUARY 10, 1993. 21st Annual WARAC MIDWINTER swapfest, Waukesha County Expo Center Forum, Waukesha, WI. Contact WARAC Swapfest, P.O. Box 1072, Milwaukee, WI 53201. Please note this will be on a Sunday next year instead of the previous Saturday dates. (see also ad on back page.)

As a service to our readers, this section of Badger State Smoke Signals is avail-

able without charge to list your upcoming Swapfest, Hamfest, dinner, picnic, party or other event of interest to Radio Amateurs in Wisconsin and nearby areas. Send information on your event to Kenneth A. Ebnetter, K9EN, 822 Wauona Trail, Portage, WI 53901. In addition, space is available at attractive rates on our advertising pages. For information on rates and requirements for our advertising pages, please contact K9ZZ or K9EN.

Club Meetings



Due to space limitations, we cannot always carry the full listing of Wisconsin and area club meetings. Please see the March 1992 meetings column for the latest listing.

The Fox Cities ARC (Appleton, WI) will operate W9ZL call from the Experimental Aircraft Association Fly-in and Convention in Oshkosh, WI from July 31 thru August 2, 1992

This year the club will be operating from the Lone Rock Service Building at Pioneer Airport, the site of the EAA museum.

On ground convention information will be provided on 146.52 simplex by the FCARC. Visitor and area information will be available on 147.24 and 147.345 Oshkosh area repeaters.

The club will operate primarily during daylight hours in the general portion of the 10, 15, 20 & 40 meter bands. Plans are to operate some special modes during the evening hours. The club will issue special certificates for proper QSLs. All QSLs must use contact numbers and have a SASE included. Send to: Wayne Pennings, WD9FLJ, 913 N. Mason St., Appleton, WI 54914. Only proper QSLs will receive certificates.

example, if a club meets on the 4th of the month, the material should be sent no later than the 9th of that month. This material is to be sent to the Editor.

Where to Send It

Address changes and corrections should be sent to Ken Ebnetter.

Editorial material, photographs, feature articles, display ads, and exchange papers should be sent to Jim Romelfanger.

Inquiries about advertising should be directed to Ken Ebnetter.

Swapfest information should be sent to Ken Ebnetter. Swapfest ads should be sent to Jim Romelfanger.

Subscriptions should be sent, with check or money order, to Jim Decker.

Conditions for Reprinting Material from Badger State Smoke Signals

Permission is hereby granted to reprint articles from *Badger State Smoke Signals*, providing credit is given to the original author, publication in which the article first appeared, and to *Badger State Smoke Signals*. This credit is mandatory, and no material may be printed unless it is given. This newspaper is produced by volunteer Radio Amateurs, and is non-profit. This newspaper is mailed from Portage, WI 53901.

Editorial Disclaimer

The opinions expressed in editorials, guest editorials, columns, articles, and letters from readers are the opinions of the authors only, and do not, unless otherwise stated, express or imply endorsement by *Badger State Smoke Signals*, or by any other individual or organization.

The Test Point



Amateur Radio Examination Locations and Schedules in the Wisconsin Area

The following are known locations where Amateur Radio license examinations are scheduled in the Badger State area.

June 6, 1992	St. Paul, MN
June 13, 1992	Bloomington, MN
June 13, 1992	Dubuque, IA
June 14, 1992	Stevens Point, WI
June 16, 1992	Milwaukee, WI (MRAC)
June 27, 1992	Milwaukee, WI (MRAC)
June 27, 1992	St. Paul Park, MN
July 11, 1992,	Marshfield, WI
July 17, 1992	Eau Claire, WI
July 18, 1992	Eau Claire, WI
July 21, 1992	Milwaukee, WI (MRAC)
July 25, 1992	Milwaukee, WI (MRAC)
August 18, 1992	Milwaukee, WI (MRAC)
August 22, 1992	Fond Du Lac, WI
August 29, 1992	Milwaukee, WI (MRAC)
September 5, 1992	Dubuque, IA
September 12, 1992	Marshfield, WI
September 15, 1992	Milwaukee, WI (MRAC)
September 26, 1992	Milwaukee, WI (MRAC)
October 20, 1992	Milwaukee, WI (MRAC)
October 21, 1992	Milwaukee, WI (MRAC)
October 31, 1992	Milwaukee, WI (MRAC)
November 7, 1992	Menomonie, WI
November 9, 1992	Onalaska, WI
November 14, 1992	Fond Du Lac, WI
November 14, 1992	Marshfield, WI
November 17, 1992	Milwaukee, WI (MRAC)
November 21, 1992	Dubuque, IA
November 28, 1992	Milwaukee, WI (MRAC)
December 5, 1992	Stevens Point, WI
December 15, 1992	Milwaukee, WI (MRAC)

Monthly, First Sat. Racine, WI
(except January, July & August)
Monthly, Last Sat. Tomahawk, WI
(January thru October only)

Monthly, Third Sat. Loves Park, IL

Many Swapfests/Hamfests offer exam sessions. If not shown above contact the sponsoring club in the Swapfest column on page 2.

GENERAL RULES

FOR MOST EXAMINATIONS:

Be sure to check with sponsors in the event there are changes and/or errors in the dates or information given.

Most examinations require filing an FCC Form 610 and advance registration at least 30 days before the exam date. (Some VECs permit walk-ins. Check with sponsor.)

To register, you must first secure a copy of the current FCC Form 610 and fill it out completely (AND CORRECTLY). Get your form from an FCC Field Office, the ARRL or Badger State Smoke Signals. Send a 29¢ SASE if you request one from the ARRL or BSSS. In most cases, forms can also be obtained from the sponsoring group.

ARRL/VEC examinations require a check for \$5.40 payable to "ARRL/VEC".

The FCC now requires applicants to show their original Amateur license to the VEC. A copy of your license must be attached to your FCC form 610. You will also be required to have a photo ID, or other acceptable identification.

Technician class licensees must show proof of testing before March 21, 1987, in order to upgrade to General with a code test only.

Additional information is given below.

MILWAUKEE RADIO AMATEURS' CLUB (MRAC/VEC)
TUESDAY DATES: At 6:30 p.m. at church,

Badger State Smoke Signals

**Amateur Radio
Education and Information**

CHAIRMAN: Kenneth A. Ebnetter, K9EN, 822 Wauona Trail, Portage, WI 53901. Telephone (608) 742-3560.

EDITOR: Jim Romelfanger, K9ZZ, 412 1/2 Ash Street, Baraboo, WI 53913. Telephone (608) 356-4031.

TREASURER: Jim Decker, WB9UQT, P.O. Box 337, Baraboo, WI 53913-0337.

CONTRIBUTING AUTHOR: Richard R. Regent, K9GDF, 5003 South 26th Street, Milwaukee, WI 53221.

Subscriptions

1 year	(12 issues)	\$9.75
2 years	(24 issues)	\$18.00
3 years	(36 issues)	\$26.00

Special club package reduced rates are available. For information, contact Ken Ebnetter, K9EN.

When to Send It

The closing date for each issue is the first of the month for the next month's issue. For example, the closing date for the June issue is May 1.

The only exception is for participating clubs. Participating clubs are requested to send their material no later than FIVE DAYS after the club's meeting. For

SATURDAY DATES: At 8:30 a.m. in the lower level of Savings and Loan, 7500 W. State ST., Wauwatosa, WI.

For Additional Information Contact; Jack Krause, W9JK, 1737 N. 116th St., Wauwatosa, WI 53226. (414) 774-6999 or Les Peterson, W9YCV, 9741 W. Howard Ave., Greenfield, WI 53228. (414) 321-4745.

Bring along your original license and two (2) good quality photocopies, plus two forms of identification, such a driver's license, etc. Also required are a pen and \$5.00 for the exam fee. WALK-INS are welcome. To register in advance, use a post card: print the grade of license you are applying for, and your name, address, and telephone number. Send the card to MRAC/VEC, c/o Jack Krause, W9JK, or Les Peterson, W9YCV at the addresses shown above.

BADGER EXAMINERS (BE) - MILWAUKEE

Unless otherwise noted, examinations are administered beginning at 1:00 p.m. to 3:30 p.m. at St. Nicholas Church basement, 5345 N. Green Bay Ave. (2 1/2 blocks south of Silver Spring), Milwaukee. Walk-ins are welcome. CW waiver forms are available. Please send a request with an SASE prior to taking an exam, so it is ready when attending the session. To register in advance, send a post card with your name, test or tests you wish to take, date you wish to take., your call sign, address and telephone number to Badger Examiners, Gary J. Sharbuno, WI9M, 5119 W. Willow Rd., Brown Deer, WI 53223. Telephone (414) 355-0237.

FOND DU LAC - (W5YI-VEC)

Saturdays, Aug. 22, and Nov. 14, 1992.

The Fond du Lac County VEs will administer exams starting promptly at 1:00 pm, please be on time. Exams are given at the Red Cross Building, 272 N. Main St., Fond du Lac, WI 54935. Please use the back entrance. Talk-in on 147.09+. Walk-ins only, no preregistration is needed. For more info call: Gary Pelletier, KA9QOT (608) 837-3433.

MENOMONIE WI - ARRL/VEC

Saturday: Nov. 7, 1992

The Northern Wisconsin Radio Club sponsors exams from 9 to 11:30 a.m. at the U. W. Stout Communications Center, 820 South Broadway, Menomonie, WI. Use front entrance of building. Walk-ins are accepted only to extent of available exam materials.

Contact: Jim Ley, NX9F, (715) 235-3998 (H); or (715) 232-1397 (O).

MARSHFIELD, WISCONSIN

1992 dates: Jul. 11, Sep. 12, Nov 14.

Sponsored by the Marshfield Area ARS. Second Saturday every other month, at St. Joseph Hospital, School of Nursing entrance. Room 124. St. Joseph Ave., Marshfield, WI. Walk-ins Welcome. Contact Walter Friant, WBOKIN, 2310 Wal-lonnie Dr., Marshfield, WI 54449.

RACINE, WISCONSIN - ARRL/VEC

Monthly - first Saturday, except January, July, and August.

Exams are given 9:00 to 11:00 a.m. at the Red Cross Building, 4521 Taylor Avenue, Racine. Walk-ins are permitted. Inquiries and registrations should be directed to William Firchow, Jr., NW9P, 1912 27th Street, Kenosha, WI 53140, telephone (414) 658-8390.

TOMAHAWK, WI

Last Saturday of every month. Jan. thru Oct.

Tomahawk Volunteer Examiners (ARRL/VEC). Tomahawk, WI. No preregistration required, but appointment would be appreciated. Registration at 8:30 a.m. and testings starts at 9:00 a.m. For location or other information, inquire on 145.43 MHz. repeater or contact: Greg Garner, WA9W, 4088 Highway 51, Harshaw, WI 54529. Telephone (715) 453-7096.

EAU CLAIRE, WI (W5YI/VEC)

July 17 and July 18, 1992

9 a.m. to noon at St. Olaf's Parish Church School, 2407 North Lane, on Eau Claire's north side near the airport. FCC form 610s will be supplied at exam site. Walk-ins OK. Danish rolls and coffee available.

Exams will also be given at the ECARS Hamfest on July 17, Friday evening from 7 to 9

Yellow Thunder Amateur Radio Club

Harry Westlund, K9EHJ, Secretary

K9ODK
WB9FDZ

720 Jefferson Street • Baraboo, WI 53913



The May 13, 1992 meeting of the Yellow Thunder Amateur Radio Club, Inc. was called to order at 7:35 p.m. by Vice President, Bill Klinkner, N9KXX.

The minutes of the April meeting were approved as published in the B.S.S.S.

The Treasurers report was given and accepted.

Jim Decker, WB9UQT, announced Armed Forces Day and the Armed Forces Special Station activities.

Bill Klinkner, N9KXX, asked for volunteers to set up and operate radio equipment at the Scout Jamboree to be held at the Sauk County Fairgrounds. Set up will be at 10:00 a.m. and will be in operation until 4:30 p.m.

Jim Decker, WB9UQT, announced that we will not be participating in the North Freedom Days parade.

It was suggested that we may wish to set up a Special Event Station at the "Cow Chip Throwing" contest in Sauk-Prairie. The event is scheduled for September 5, 1992.

Ann Klinkner announced that she has passed the Technician test. She has not received her call yet, having passed the Novice test a couple of months ago.

The next meeting on June 11, 1992 will be in room 24, and the program will be preparation for Field Day on June 27 and June 28, 1992.

p.m. and on the Hamfest day itself, July 18, from 9 a.m. to 1 p.m. Contact Carl F. Searing, 1129 McKinley Rd., Eau Claire, WI 54703-2219, (715) 834-1303.

SIEVENS POINT, WI - ARRL/VEC

June 14 and December 5, 1992

Contact: Joe Larson, (715) 344-1182 (evenings).

APPLETON, WI - ARRL/VEC

Contact: Larry Siebers, (414) 788-3823

ONALASKA, WI

November 9, 1992

Contact: Rick Williams, KV9U, 534 Troy St., Onalaska, WI 54650. (608) 783-8028.

DUBUQUE, IOWA - ARRL/VEC

1992 examination dates: June 13, September 5, and November 21. The Great River ARC VEs are now field-stocked with examinations, which means that retests can be given immediately. Exams are held at 9 a.m. at the Central Fire Station, 9th and Central, Dubuque. Use the basement entrance on 9th Street. Talk-ins are on 147.84/24, 147.63/03, and 146.295/895 repeaters. Contact Mike Jozefowicz, NSOU, 2735 Hockory Hill, Dubuque, Iowa 52001, (319) 582-8563. (Thanks Art Evans KA9KLZ)

LOVES PARK, IL

Third Saturday of every month. Northern Illinois Volunteer Examiners (DeVry VEC). Held at North Suburban District Library, 6340 North Second St. (Hwy. 251), Loves Park, IL. Contact: Paul K. Dean, WB9HCZ, (815) 987-6754.

MINNESOTA EXAMS

Bloomington ARC (BARC)

Contact: Jerry Jensen, WTOW (612) 888-6187.

St. Paul Radio Club (SPARC)

Contact: Jay Bellows, KOQEE (612) 222-7253.

SE Metro ARC (SEMARC)

Contact: David Harrell, NOIPN (612) 459-8678.

This section of Badger State Smoke Signals is available to publicize your Volunteer Examiner

The Buck Nite drawing was won by Bill Klinkner, N9KXX.

With no further business, the meeting was adjourned at 8:19 p.m. on a motion by Bob Sauvan, WT9Q, and seconded by Harry Mayland, K9FFT.

The group then participated in the evenings program, testing HTs with equipment supplied by Bill Klinkner, N9KXX.

Respectfully submitted,
Harry Westlund, Secretary

The following members and guests were present for the meeting:

Peter Sweeney, WD9JIB	Reedsburg
Gordon Johnson	Valton
Jack Kirner, N9LKZ	Prairie du Sac
George Gabay	New Lisbon
Charles E. Tilton, N9MFF	Baraboo
Anne Klinkner	Prairie du Sac
Richard Wegner, N9MME	North Freedom
Raymond Matlosz, N9MLZ	Reedsburg
Bill Klinkner, N9KXX	Prairie du Sac
Harry Westlund, K9EHJ	Baraboo
Bob Sauvan, WT9Q	Sauk City
Harry Mayland, K9FFT	Baraboo
Harold Reif, KA9YQP	Baraboo
Jim Decker, WB9UQT	Baraboo

Amateur Radio license examination schedules. Please send us your schedules of dates, times, and locations that you will be conducting examinations and we will include the information here. Be sure to include contact address and any other necessary requirements. Information should be sent to K9EN at the address shown on page 2.

THE BARGAIN MODE

SSB

SELL SWAP BUY

OUR WANT ADS GET RESULTS

FOR SALE: Yaesu 101EX transceiver with microphone, matching speaker and YB601 digital display, mint condition. Sold as package only. \$490.00. Curt Meitz, KB9HJG (414) 544-9241.

Our condolences to Robert King, KA9GNY, Baraboo, Wisconsin and family on the recent passing of Bob's wife Eleanor. Bob is a former President of the Yellow Thunder Amateur Radio Club.

Ralph V. "Andy" Anderson, KONL, died May 4, 1992 in Holton, Kansas. He was 82, a former ARRL Midwest Division vice-director, and a prolific Amateur Radio writer and editor.

In 1952 he founded Auto Call, a monthly publication drawing news from the many Amateur Radio clubs in the Washington D.C. area (and which is still published today). He was affiliated with Auto Call until 1970.

In 1965 Anderson, who was editing Auto Call, joined with six other editors to found the Amateur Radio News Service (ARNS). He published the ARNS Bulletin for 23 years.

Anderson also served as a director of the ARRL foundation.

His fellow editors nominated him in 1988 for the Dayton Hamvention Amateur of the Year Award (which was given posthumously to Bill Bennett, W7PHO).

Andy Anderson leaves a sister Jenneatte King of Topeka, KS. His wife, Bernetta Anderson, died in 1978.

Memorial contributions may be made to the ARRL Foundation Scholarship Fund.

Wisconsin Nets Association Ltd.

Rob Hummel, WA9ZTY, Secretary • 202 Midvale Drive • Marshall, WI 53559

Wisconsin Nets

Net	WNA	Freq.	UTC	CDT	Mgr.
BWN	Yes	3984	1100	0600	W9AYK
BEN	Yes	3985	1700	1200	WB9ESM
WSBN	Yes	3985	2230	1730	K9UTQ
WNN	Yes	3723	2300	1800	KA9FVX
WSSN	Yes	3645	2330	1830	N9BDL
WIN/E	Yes	3662	0000	1900	WB9ICH
WIN/L	Yes	3662	0300	2200	W9NGP
NWTN	Yes	34/94	2330	1830	NS9Q
(Rhineland area)					
RCRA	No	01/61	2330	1830	KA9OMC
(Mondays CST) (Menomonie Area)					
Gr. Bay	No	72/12	0145	2045	WB9NRK
(Green Bay Area)					
ARES	No	4.65/5.25	0100	2000	
(South East/South Central Wisconsin)					
RACES	No	3993.5	1300	0800	WA9OAY
(LSB Sunday)					

Section Manager's Notes



Richard R. Regent, K9GDF
5003 South 26th Street
Milwaukee, WI 53221

The Rock River Radio Club has been designated as a Special Service Club.

Madison Area Repeater Association now has digital voice recorder.

The Local Emergency Field Radio Operating Group (LEFROG), Boy Scout Troop 840, is now ARRL affiliated.

KA9JCP won last year's West Allis RAC 10 meter contest.

ARRL Emergency Communication Commendations were presented to K9CAN, WA4VCW and N9LLT.

Green Bay Mike & Key Club awarded KB9-EWK as their ham of the year.

New DX alerting frequency on 146.475 simplex in Green Bay area per N9LWI and WY9E.

Ozaukee RC awarded WJ9O their annual turkey award and AA9W as their ham of the year.

WA9PWP defines QRP as "Quit Running Power".

W9OP has contacted all 3,076 U.S. counties.

Exams: July 11th Marshfield; July 17th and 18th Eau Claire; July 21st and 25th Milwaukee. July 11th South Milwaukee Swapfest in Oak Creek, look for me at League table. Eau Claire ARC Hamfest July 18th at the Chippewa Falls Fairgrounds, info N9EQR.

Rock River RC picnic July 26th at Tahoe Park in Beaver Dam.

Experimental Aircraft Association Fly-In will be held July 31st thru August 2nd with special event station per WD9FLJ.

Sorry to report Silent Key W9SFK of Waterford.

Thought of the month: *No real problem has a solution.*

Net News and Gossip

Written and Edited by the Net Managers

Wisconsin Intrastate Net/Early (WIN/E)

Larry Guthu, WB9ICH, Net Manager
706 West Jennings, New London, WI 54961

Hi gang. It's time for another installment on how WIN/E is doing. Well, I'd say that we are doing rather well by looking at the stats here; even though we are a little behind last year, I still think that overall we are doing fine.

Here is how we stack up for traffic, checkins, and total times for the net:

JANUARY

QNI: 359 (average 11 QNI per session)
QTC: 105/95 (average 3 pieces passed per session)
QTR: 445 minutes (average net time 14 minutes per session)
Total net time: 7.41 hours

FEBRUARY

QNI: 339 (average 11 per session)
QTC: 108/91 (average 3 pieces passed per session)
QTR: 431 minutes (average net time 14 minutes)

Total net time: 7.18 hours

MARCH

QNI: 318 (average 10 per session)
QTC: 84/76 (average 2 pieces passed per session)
QTR: 413 minutes (average net time 13 minutes)
Total net time: 6.88 hours

So, as you can see, we are still very much alive and doing some work as well. We do have our nights of frivolous and idle chatter, but I know that all of the nets have this from time to time to help break up the routine and keep things interesting.

We still could use a little help on 9RN reps and SSB reps, but we have a few dedicated people who grab the bull by the horns and give us a hand from time to time.

I remember saying in the last report that I was working on getting out new net certificates to all. I promise I will, but other things have been taking up my time and I haven't had a chance yet. But, I will get them out.

That about does it for this time around. Everyone have a nice spring and summer, and will see you on 3.662 at 7 p.m.

73, Larry, WB9ICH

Ozaukee Communication Commendations Presented

By Richard R. Regent, K9GDF
5003 South 26th Street
Milwaukee, WI 53221

ARRL Emergency Communication Commendations were presented to Wisconsin radio amateurs Ted Heilmann, N9LLT, Clayton Hill, WA4VCW, and Dick Scarvaci, K9CAN, for their communications support in the Cedarburg windstorm emergency.

Strong winds and rain storms left parts of Cedarburg with electrical outages and some buildings destroyed on the dark Sunday afternoon of July 7th, 1991. Mr. William Stolte, Director of Emergency Government for Ozaukee County, asked for three hams from the Ozaukee ARES group and got quick response. K9CAN went to the Emergency Government Office, N9LLT was assigned to the intersection of Beechwood and Western Avenues in Cedarburg, and WA4VCW reported to the Cedarburg Town Hall. Amateur Radio Communications were then handled efficiently between Emergency Government, City Administration and various sites in the areas where electrical power lines had been blown down.

Mr. Stolte later reported that "The storm generated well in excess of one million dollars worth of damage in Ozaukee County. Our communications network was strained. Without additional radio support, we would have been required to send teams into the field without communications."

The colorful, framed commendations were presented to the three communicators by Rich Regent, K9GDF, Wisconsin ARRL Section Manager, at the new Justice Building Center near Port Washington on April 23, 1992. Over one hundred people were present, including police officers, fire fighters, the Ozaukee ARES group, government officials, amateurs, and visitors.

Stan Kaplan, WB9RQR, the Ozaukee County ARRL Emergency Coordinator, had recently selected the candidates in recognition of their meritorious service in the Cedarburg windstorm emergency. This is the first time such an award has been given in Wisconsin.

After the award presentation, an informative slide and video tape program on Tornado Awareness was given by a National Weather Service official.

NTS Logo Patches

Where are the NTS patches? Well, it looks like the National Traffic System (NTS) logo will only be

used when it is printed in a few League publications.

The logo was proudly unveiled in April, 1989, after the Board of Directors picked the W6BNJ logo

Please turn to page 8

Fast & Fun G5RV QuickKits™
created by AntennasWest Box 50062-SS, Provo, UT 84605-1111

- Fast & Easy to Build
- Fail-Safe visual instructions
- No measuring or cutting
- Everything included
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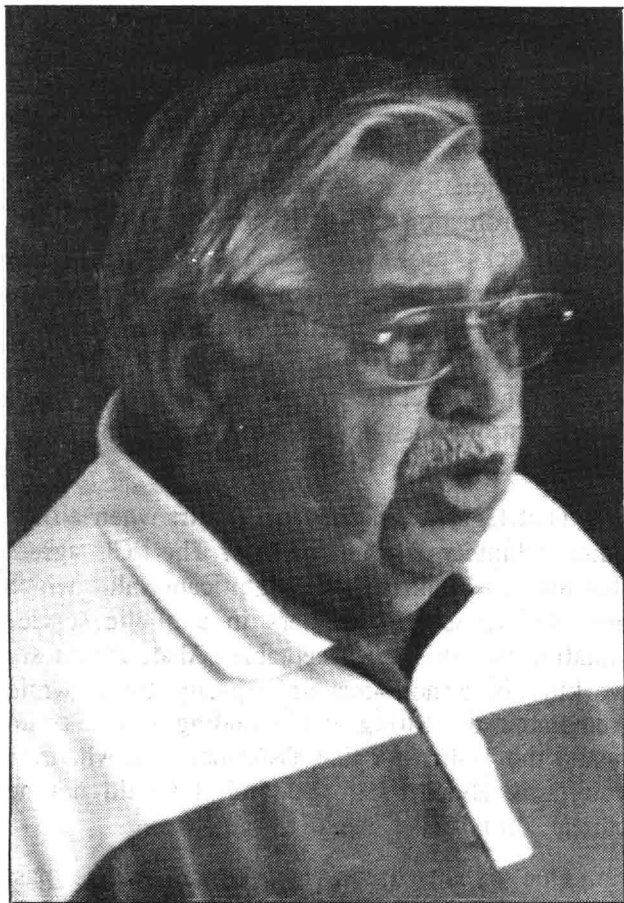
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HERE and THERE

He's Helping His Club Grow



Bruce Bjerstedt, K9CUT, LaCrosse, recently helped teach a class for hams-to-be. The classes were conducted by the Riverland Amateur Radio Club. Classes for beginners are one way to help your club and Amateur Radio to grow. Read more about Riverland's projects on page 8.

- Photo by Kent Helman/W9LZQ

Real Radio

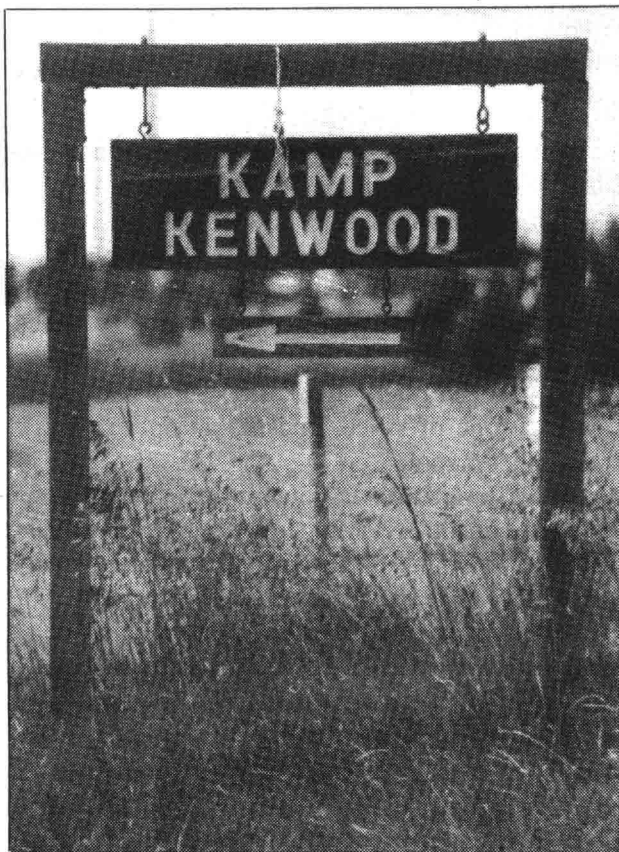
It could be the thing to really crack the Amateur Radio hobby wide open. The W5YI Group, Inc., publisher of the highly-regarded *W5YI Report* on Amateur Radio and emerging communications technologies, says it will begin production of a weekly, syndicated television series.

According to *W5YI*, the program will be high-quality, fast-paced, entertaining, educational, informal, and 30 minutes long. Technical topics will be avoided, and the show will instead focus on "stories of general human interest, drama, and humor [that will] de-mystify our hobby."

The target audience is ages 10 through 90. Production of the program has not yet begun, and the originators of the concept are seeking people with experience in law, TV production, technicians, in addition to production facilities, researchers, writers, volunteers, fund raisers, and individual contributors.

To obtain more information about Radio Friends, write the W5YI Group at 2000 E. Randol Mill Road, Suite 608-A, Arlington, Texas 76011, or call (817) 461-6443. Unlike many of the hobby programs on radio, the W5YI venture promises not to be a cleverly disguised "info-tisement." As a non-profit organization, it has absolutely no links to any commercial organization.

- Monitoring Times, May, 1992



This camp will soon be followed by, we assume, Camp Icom, Camp Yaesu, Camp Ten-Tec, Camp MFJ, Camp Antennas West..... the list of possibilities is almost endless. This photo was snapped in the area of Chippewa Falls, WI, by Kenny Dicks, KE9CS, who says he uses nothing but Kenwood equipment.

Call Sign Update Correction

There are two errors in the call sign updates in the Here and There section on page 5 of May BSSS. KD1BQ should have read KD1HQ, and K9OUN should have been listed as N9OUN. Thanks to Bob Selbrede, KA9EZR, for calling the errors to our attention.

W.A.R.B.A. Plans Balloon Flight #4

The Wisconsin Amateur Radio Balloon Association (W.A.R.B.A.), based in Hillsboro, Wisconsin, plans to launch the fourth in a series of experimental, high-altitude balloon experiments at about 10 a.m. on June 20, 1992. The rain date is June 21.

The package on this flight will be very similar to the one flown on December 7, 1991, which was a video/repeater flight. The June flight will, however, have a few improvements. A somewhat detailed description of the December flight is on page 56 of the May, 1992 issue of *73 Magazine*. The primary changes will be more transmitter power and better antennas to produce higher effective radiated power.

On board will be a live video camera and a fast-scan ATV transmitter. The video will be on 439.25 MHz, with horizontal polarization. The cross-band repeater will have many downlink sources of audio. The actual sound subcarrier of the television transmitter will be on 443.75 MHz FM (50 mW, horizontal polarization), 446.000 MHz (500 mW FM, vertical polarization), and 28.322 MHz AM (50 mW, vertical polarization).

To receive the video, you will need a UHF antenna, of course. Some cable-ready TVs and VCRs can receive 439.25 MHz video directly (without a converter). It is called "cable channel 69" or "XX". Also, some of the small, portable

Silent Key

Marvin Bartz, W9MYG, 72, of Sheboygan, WI, died May 1, 1992.

He served in the U.S. Army during World War II in Europe as a radio technician with the armored field artillery.

Marv was a 52-year member of the American Radio Relay League, a member of the Sheboygan County Amateur Radio Club, DX Association, and the Quarter Century Wireless Association. The Sheboygan County Amateur Radio Club cited Marv for 50 years of outstanding service to the community.

He served as disaster coordinator for the Red Cross, and was a volunteer camera operator for Star Cablevision.

black and white TV sets with slide-rule type VFO tuning can tune far enough below TV UHF channel 14 to receive the ATV signal.

If neither of these options work, a GaAsFET front-end receive converter can put the ATV signal on TV channels 2 through 5. You can get these converters for \$49.00 each if you order five or more from PC Electronics at (818) 447-4565.

Launch and tracking information nets will operate on the Baraboo wide-area 146.88 repeater (owned and operated by the Central Wisconsin Repeater Association), and on 7.235 MHz LSB. The 7.235 frequency will have ground crew conversations before launch, and will also carry a retransmission of signals from the cross-band repeater.

Hope to hear you..... and see ya!

- Joe Mayenschein, WB9SBD

E. T. Stay Home

The following was posted on a computer service network recently as an example of what might happen when well-armed, poorly-educated people encounter something they don't understand.

A wind profiler in OAR's Wind Profiler Demonstration Network (WPDN) was severely damaged by several shotgun blasts. On March 28, just before sunrise, two men and one woman were pheasant hunting in southern Nebraska [and] came across the McCook wind profiler and mistook it for an alien spacecraft. Frightened, they fired a number of shots, damaging the profiler antenna and the electronics shed. Furthermore, a Forecast Systems Lab (FSL) technician who was in the shed conducting routine system checks was taken hostage by the hunters. After being held captive for nearly two hours, the technician's partner arrived and explained to the hunters what the profiler really was. The hunters then fled and, so far as BSSS knows, they have not been apprehended by law enforcement officials.

Profiler damage is estimated at \$150,000.

- Forwarded to BSSS by Dave Knaus, WA9POV

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Amateur Radio Operation at Wisconsin Special Olympics

By Joe Larson, N9JW
644 Portage Street
Stevens Point, WI 54481

The Wisconsin Special Olympics summer games were held in Stevens Point on a sunny weekend, June 21, 22, and 23, 1991. Amateur radio operators from Stevens Point, Wausau, Marshfield, Wisconsin Rapids, and other surrounding communities were on hand to help out. Some took the day off from work, some had it off already. Some came only in the mornings, some in the afternoons, some came all day every day.

Why do it? Lots of reasons. Perform a community service. It feels good. Help out people who are very grateful. A day of fun in the sun. Chance to save a life in a medical emergency. To drive a golf cart. To feel important for a while. But whatever the reason, if you do it once, you'll be back for more.

Wisconsin Special Olympics is a statewide, non-profit organization with the goal of benefiting those with mental retardation. Those served are about half and half adults and children. There were about 2500 athletes at the 1990 summer games, along with 1000 coaches and family members and another 2000 volunteers. With a big group like that, Amateur VHF communication works great to keep the organizers in touch with each other and help them keep the games going.

One job you might get is to be a shadow. You will follow a designated VIP around, and provide radio communications for him or her. These people are usually incredibly busy trying to organize their part of the games. For example, the events coordinator may need to talk to the person setting up the victory dance, but they are literally three football fields apart, and they need to talk right now! That's what you are there for. These people are always on the go, so be ready for a lot of walking.

If it would work better, let them take the mike and talk. But as you follow them around and get to know what's going on, you can probably answer some of the questions yourself ("Where is the shot for the shot put event?"). If you're sure you know what you're talking about, go ahead and answer the incoming questions. You can save a lot of time by helping out, by summarizing for them, by being their eyes and ears. But the VIP's are all very nice people; let them handle anything you aren't positive about.

Of course, if you are seized with a sudden urge to lift and carry or dig or pound to help out, you will not be chastised! Setting up for the Olympics takes a lot of work, and the more helpers the better. Remember that most of the people there doing all the work are unpaid volunteers like you. They appreciate all the help you can give.

Another assignment is for rovers. These hams have no fixed location, but are supposed to walk around and be visible. Then the athletes and coaches and parents can latch on to you and get their problems "aired."

People will tell you many things, including things you can do nothing about. Don't worry, just report it to Tournament Central. If it's important, someone will notice and handle it.

Many times you will be in a loud area, like next to a PA speaker or inside the victory dance. Try to resist the urge to shout into your microphone! It doesn't help at all. Instead, try to talk in a normal tone of voice, and if that doesn't work, find a quieter spot.

How should you act toward the athletes? Some people are uncomfortable with retarded individuals, but like many other things exposure and knowledge will usually cure the jitters. Just be yourself. Athletes don't get into Special Olympics by being healthy and normal, but some of them can bench press you! They trained for months or years to get there, and are working at the top of their form. They have earned the respect you would show to any other athlete.

Athletes often want to show off their medals. They put a lot of hard work into their sport, and they're excited about being a winner.

Get familiar with their wrist bands or other identification systems. Read the volunteer handbook and other information. Go to the volunteer orientation meeting. It'll help you feel less lost the first time out.

Tournament Central has a cross reference list and can look up the ID information and tell you who is staying where. Tournament Central is the base station, located near the registration area and handy to a telephone. This amateur operator also acts as a net control as necessary; most of the time, formal net operations are not needed, but when things get hectic a traffic cop can keep things going smoothly. Tournament Central also keeps track of who is shadowing whom, and if any athletes are currently lost or found, and many other details. Tournament Central makes any needed phone calls, for example to campus Building Services to round up a few more trash cans for the concession area.

Most of the operation is on the local 146.67 repeater. The Olympics venues are spread out too far for simplex, and the organizers could be anywhere on campus, or even in town. The autopatch is not used. Instead, the repeater stays open for Olympics traffic and Tournament Central makes all the phone calls.

A few words about tactical call signs. The FCC recognizes the usefulness of these ("Tournament Central," "Medical Tent," etc.) and assures us they are legal to use. Just mention your call sign every ten minutes, and you can call yourself Bugs Bunny!

Amateurs assigned to the Medical Tent go out with the team of doctors when they go to handle medical emergencies. The medical professionals should never be out of radio contact in case a more severe emergency pops up. They also might need to call for an ambulance. If you faint at the sight of blood you might not want to volunteer for this assignment! But most emergencies are not that

serious: we get more heat exhaustion than anything else.

The amateur assigned to the track PA system will be busy relaying announcements, lost and found, and many other items to the track announcer. Be patient and speak clearly when you talk to him: he's probably getting heavy QRM from the PA system.

If you're assigned to work at the opening or closing ceremonies, use your better judgement. Find a place out of sight but still nearby; after all, it's not your ceremony.

Speaker-mikes are invaluable, especially in noisy locations. Sunscreen lotions, umbrellas, hats for sun protection, all will come in handy. Extra battery packs, too!

By the way, there is a difference between a "lost" and a "found" athlete. When an athlete comes to you looking for the rest of his unit, he is "found" and you should get the word out to locate his coach. If a parent or coach approaches you looking for an athlete, that athlete is "lost."

Is it legal to take a free T-shirt when all the other volunteers are getting one? The FCC agrees that hats or T-shirts of no significant value which are used to identify helpers in a public service situation like this are acceptable. Also, if you are working in a non-amateur capacity for a while (remember the lifting and pounding?), you could justify the T-shirt for that assistance. But whatever you think about it, if you feel it would not be ethical, do not take one.

One of the hardest workers over the past several years has been Paul Nelles, K9DB. He's been doing a yeoman job organizing, finding people for jobs, talking to many groups. He did so well that he's been appointed Support Services Coordinator, which would qualify him for a radio shadow. Pity poor Paul: he has to be his own shadow!

What if you want to help, but just can't make it that weekend? If you can, let the organizers know that you have a handy-talky available. They often have more amateurs than radios. If not, a spare or two is nice to have around any time.

It's a good idea to register ahead of time so the organizers know how many hams are available. But if you didn't register and your plans change, don't feel bad about just showing up out of the blue. There's always more to do than people to do it.

This has been a picture of operating during Special Olympics. Come on down and join us, June 4, 5, 6, 1992. You'll be sure to come away with a feeling of personal satisfaction and accomplishment.

To volunteer or get more information, contact Dave Olson N9JQU at 715-341-8353, Joe Mangal KA9TTU at 715-344-3137, or Joe Larson N9JW at 715-344-1182. You can also leave mail for N9JQU or N9JW on the W9IHW packet bulletin board system.

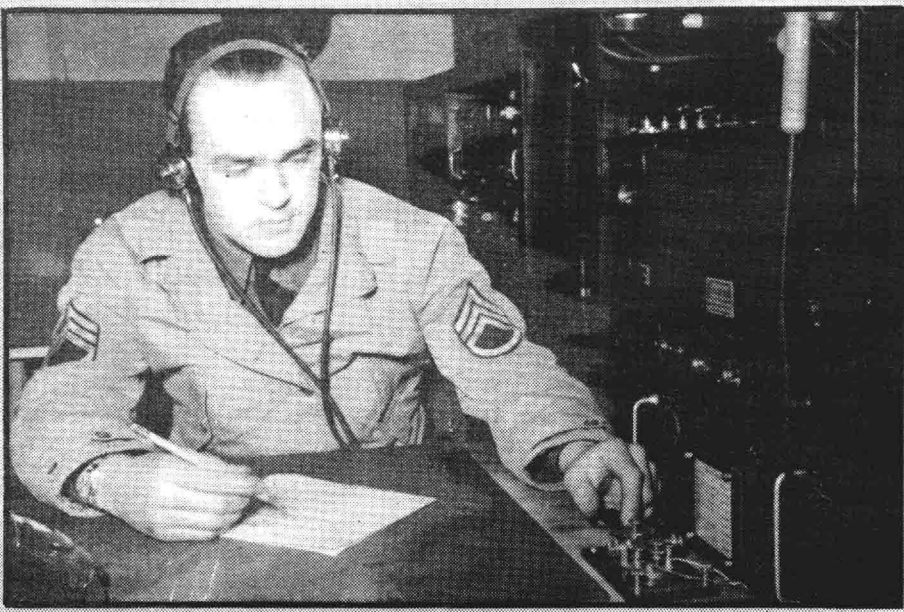
73!

□

Rock River Radio Club Shows Ham Radio to Juneau Students

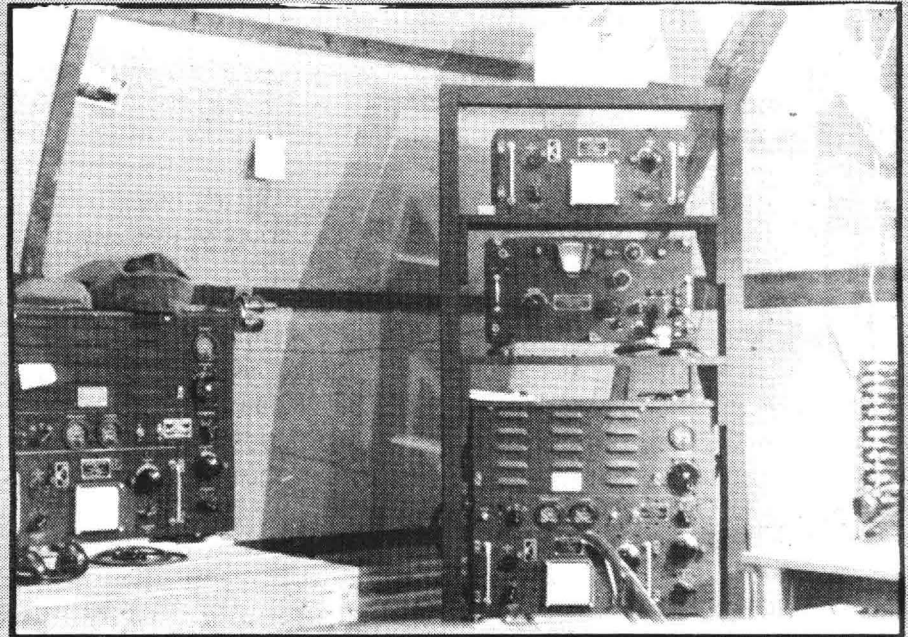


Members of the Rock River Radio Club demonstrated what ham radio is all about on March 4, 1992, when they set up a station for 40 enthusiastic seventh and eighth grade students at St. John's Christian Day School in Juneau. Under the coordination of Arnie Zietlow, KA9FNE, equipment and antennas were installed by Bill Buchada, N9NWC; Roy Pedersen, K9FHI; Dave Lemke, KB9GDW; Rob Hummel, WA9ZTY; and Duane Haas, W9BCV. Rob brought a whole truckload of gear, all neatly packed in suitcases designed by his XYL, Roberta, KA9OSA. Two HF rigs, the ARES 2-meter emergency rig, a complete packet station, and several handie-talkies were used. Rob gave a "chalk talk" about radio basics and how to become a ham. Then, Arnie tuned in on a station in Ukraine which was S-9 plus. All the students were amazed at how well they could hear someone so far away. Arnie then changed frequency and called a station in New Mexico, who was a retired school teacher who was anxious to talk with the students. The kids took turns talking with him for an hour or so. The students also talked on 40 meters and watched Rob operate packet. On two meters, Dave and Bill gave the kids a chance to talk with Mark, N9KQV, aboard his big diesel locomotive, and to Beryl, KA9BAC, at her home station. The kids were so enthused that RRRC expects to find some of them in their next Novice/Technician class.



Reykjavik, Iceland • 1941

Just before the United States entered World War II, Art Kleefisch, W9WSS, Baraboo, was stationed at an Army Signal Corps station in Reykjavik. Adrian Boone, then W9RBO, is in the photo at top left, and he is in the bottom photo at right with Art, W9WSS. Adrian now holds the call K3AMO. Both are originally from Sheboygan; Adrian now lives in Yardley, PA. The station's call sign was 3GI. The equipment included a BC-312 field transmitter. For a time, the transmitter was grid-block keyed with -125 volts of bias through a telephone cable more than a mile long; some folks discovered that voltage in a shocking way. Adrian recalls listening, with the base commander and his staff, to the news of the Japanese attack on Pearl Harbor at this station. These photos were taken by the U.S. Army Signal Corps; no other cameras were permitted. □



National Traffic System Patches

Continued from page 4.

from 50 entries in a logo design competition. The *Field Forum* newsletter suggested to watch for future news about the *availability of the NTS logo patches and clip art*.

Several Wisconsin traffickers have been hoping to buy some of the patches, and have been patiently waiting for the past three years.

Ed Metzger, W9PRN, our Central Division has not heard of any progress on the patches. Luck Hurder, KY1T, Deputy Field Services Manager at ARRL Headquarters, speculates that it may have been too expensive to produce NTS patches in the small sales volume expected from traffic handlers. Regarding why the ARES has patches, Luck says, "There are about ten times as many ARES members as there are traffic handlers in NTS." ARES patches (\$3), decals (\$1) and stickers (25 cents), which come in either black and gold or red, white and blue, have been available for a long time.

Meanwhile, the pride, service, tradition and innovation of the NTS will continue, even without a patch.

- Richard Regent, K9GDF

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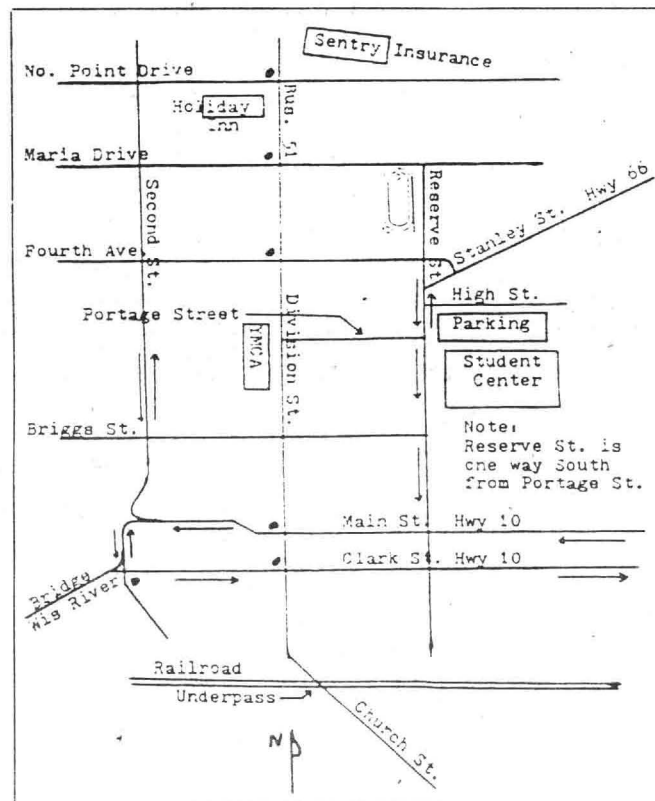
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How Does Your Club Grow?

By Kent Helman, W9LZQ

1063 Fairfield Street
Onalaska, WI 54650

It is exciting to see a club which has been in existence many years become dynamically involved in activities which not only enhance public service, but also stimulate the growth and involvement of its members in many areas related to Amateur Radio. The ham radio operators of the western Wisconsin area are to be congratulated for having accomplished this growth in the past several months through the Riverland Amateur Radio Club.

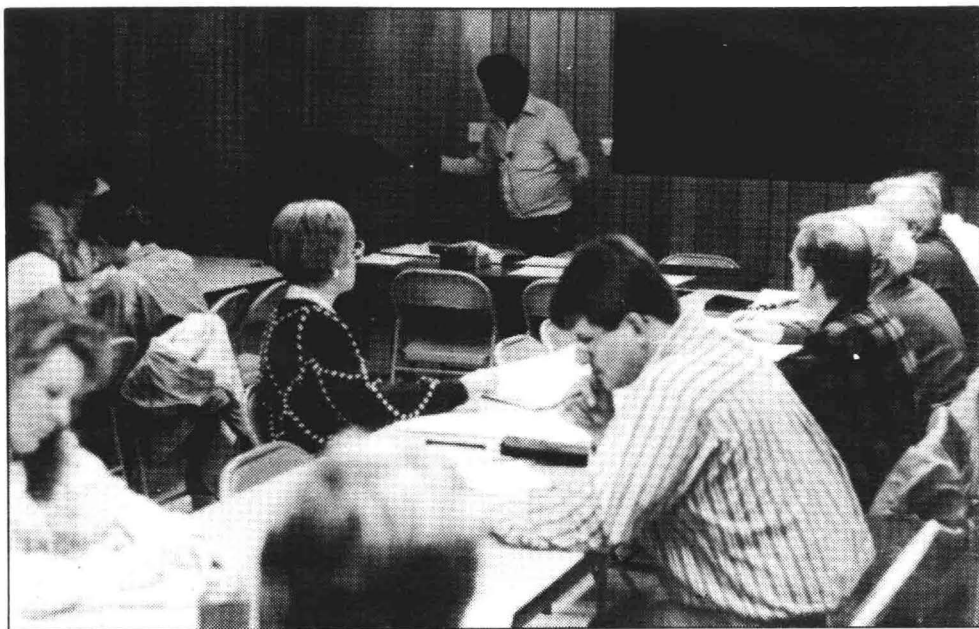
Many groups may suddenly discover they are ensnared in an atmosphere of self-perpetuation which leads nowhere. There are clubs, for example, which have basically one and only purpose, such as maintaining a voice repeater. Some members may get terribly excited by such an accomplishment, only to discover that they really haven't accomplished anything that hasn't been done before - and probably better.

I have seen groups which have perhaps other singular and prosaic purposes which generally meet only the specific needs of a few individuals isolated within the group. These groups are all well and good, but generally they all share the same fate: they eventually lose their initial enthusiasm to other, higher priority activities, and the group soon disbands or falls apart. On the other hand, a mature and well-developed organization recognizes the variety of interests in its membership and will strive to meet those needs.

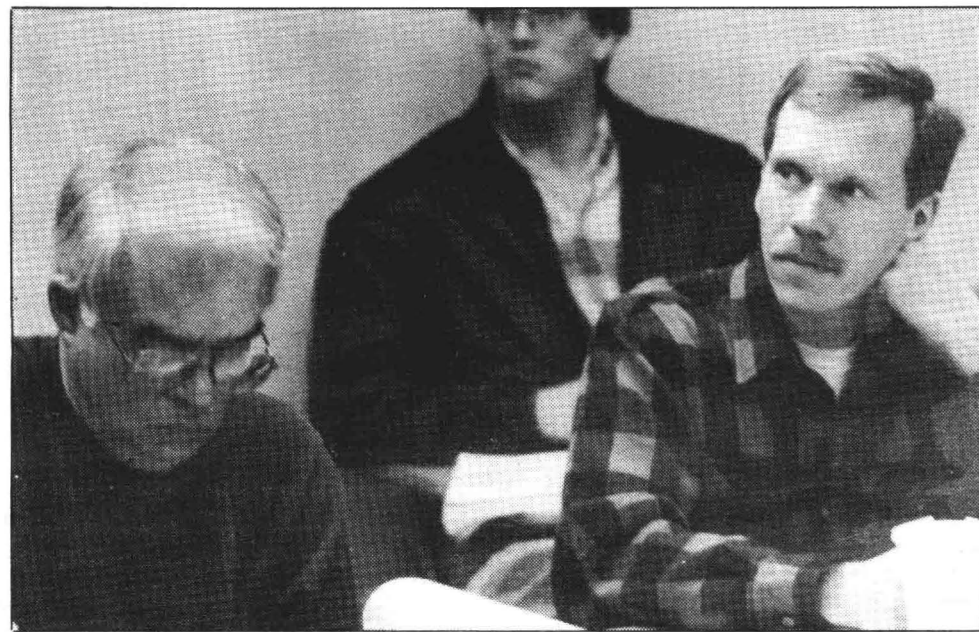
The Riverland Amateur Radio Club, representing hams in the Wisconsin counties of Trempealeau, Monroe, Jackson, LaCrosse, Vernon, Crawford, and Houston County in Minnesota, has an awareness of the need to provide this variety, and recently organized itself to sponsor and facilitate "special interest groups" within the club structure. This extraordinary means of enhancing the interests and involvement of club membership will undoubtedly pay off with a highly motivated and "radio-active" membership.

In addition to special interest groups, the club recently has done several other things which have paid off in increasing public awareness and recruiting new ham radio operators. It has also labored to strengthen the relationship it has with other nearby clubs. The club succeeded in getting the Simulated Emergency Test (SET) weekend declared as Amateur Radio Week in the LaCrosse area. It has accomplished much with its demonstration of Amateur Radio during that weekend, and its involvement in emergency communications and close support of the Amateur Radio Emergency Service (ARES).

Riverland, its officers, and its members are to be congratulated for sponsoring an exciting and pro-active Amateur Radio club. □



The Riverland Amateur Radio Club recently conducted an Amateur Radio class. Here, the students listen to a presentation about capacitance by instructor Feroz Ghouse, WU9N, who is in the rear of the scene near the blackboard.



Several aspiring hams in Riverland's class were captivated by the dynamic instruction! Photos by Kent Helman/W9LZQ

Radio Amateurs: Serving the Community in Emergencies as no Other Service Can

By Rich Regent, K9GDF

5003 South 26th Street, Milwaukee, WI 53221

There are 8,205 licensed radio amateurs in Wisconsin, stationed in enough locations to be of great value for spotting and reporting weather emergencies and natural disasters.

This year, there will be about 9.5 million cellular telephone subscribers scattered everywhere. They communicate using voice or digital voice modes from their cars or while walking somewhere. Cellular users can receive facsimile prints in their brief cases while walking downtown, making use of the image mode. Eventually, cellular telephone and laptop computers will be combined for portable digital data communications. Although it appears that some cellular users may be focused on helping in emergencies, many others might just create QRM.

Amateur Radio is still vital to serve the community in times of need. Why, you ask?

Training: Amateur operators have developed an on-the-air discipline; they also learn by attending meetings and reading books.

Preparation: From practice to actual emergencies, weather spotting and reporting, special events and Field Day, amateurs have experience.

Equipment: Hams own the whole system, and they have the knowledge to install, troubleshoot, repair and update their equipment.

Versatility: When a frequency gets crowded, they can change to a clear channel, use packet radio or handhelds or repeaters, and can make innovative antennas. Amateurs can coordinate between various agencies that might be on different frequencies. Amateurs are communication volunteers who work for free, yet enjoy helping.

Amateurs are reliable professional communicators who have been helping for many years, and will continue to be a vital communications resource. They are ready to serve the community in times of need. □

Amateur Radio Spectrum Protection Act Adds Co-Sponsors

H.R. 73, the U.S. House of Representatives Amateur Radio Spectrum Protection Act, now has 176 co-sponsors. The bill's sponsor, Representative Jim Cooper of Tennessee, said recently that he and Senator Al Gore, also of Tennessee and sponsor of the companion Senate bill, are working together to obtain passage of the bills this year.

Cooper, in a recent letter to a constituent who had voiced concern about another amateur's complaint about the bill's potential for encroaching on the FCC's authority to assign spectrum, said that the

American people don't elect the FCC to set telecommunications policy. They elect the Congress to do that. The FCC was set up by Congress, Cooper wrote, to carry out the policies that the American people enact through their elected representatives.

H.R. 73 would contribute an important policy to our telecommunications law by setting aside the existing "ham" bands as a sort of "public park" for average citizens to enjoy.

- ARRL Bulletin 42, 5/16/92

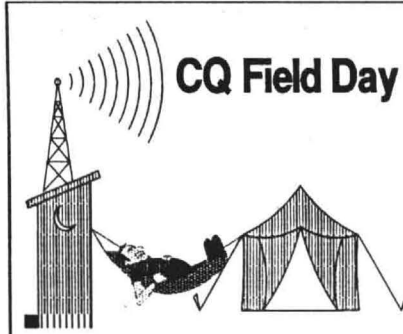
FCC Call Sign Update

The following is a list of the FCC's most recently issued call signs, as of May 1.

DISTRICT	GROUP A EXTRA	GROUP B ADVANCED	GROUP C TECH/GEN	GROUP D NOVICE
0	AA0IK	KF0YK	N0SIH	KB0KFP
1	AA1BV	KD1IJ	N1MGN	KA1ZZI
2	AA2JA	KF2HT	N2QQG	KB2OUQ
3	WY3Z	KE3CO	N3MBO	KB3AAS
4	AC4QC	KO4WV	**	KD4NSL
5	AB5FO	KJ5AE	**	KB5SBJ
6	AB6KY	KM6UA	**	KD6IYZ
7	AA7OW	KI7CQ	N7YDL	KB7OYT
8	AA8HF	KF8UK	N8TMB	KB8NXO
9	AA9DY	KF9JF	N9PEK	KB9HTV
Hawaii	**	AH6LW	WH6GE	WH6CPJ
Alaska	**	AL7OE	WL7CZ	WL7CFA
Puerto Rico	**	KP4TO	**	WP4LCK

** All call signs in this group have been issued in this area.

- Courtesy of Bob Selbrede, KA9EZR



1992 Field Day • June 27 and 28

Sponsored by the
American Radio Relay League

Full rules will appear in QST. Please send photos of your club or group's operation to *Badger State Smoke Signals*, Jim Romelfanger, K9ZZ, Editor, 412 1/2 Ash Street, Baraboo, WI 53913. Please identify all subjects by full name(s), call sign(s), the club or group's call sign, class of operation, and location of the operation. Thanks!



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CALL	COUNTY	CLASS	CW PTS	SSB PTS	MULT	BONUS PTS	FINAL SCORE	CLUB AFFILIATION
W9RF *	Sheboygan	MF	314	238	85		46920	Sheboygan ARC Ops: W9RF, N19Z
KF9GP	Kewaunee	MF	0	437	87	500	38519	Green Bay Mike & Key Club Ops: KF9GP, N9DKH, KA9BXG
ND9Z	Door	MF	172	236	71	500	29468	Green Bay Mike & Key Club Ops: ND9Z, AA9AO
KO9Q	Sheboygan	MF	238	149	76		29412	Sheboygan County ARC Ops: KO9Q, N9IOC
WB9JBF	Milwaukee	MF	0	220	72		15840	UW-Milwaukee RC Ops: WA9AKV, KA9WXN
WJ9H	Iowa	MF	0	195	57	500	11615	Madison Area Ops: WJ9H, NØGAF

Multi-Transmitter/Multi-Operator/Mobile

N9KS *	Waukesha	M2	544	178	52	9000	46544	Kettle Moraine ARC Ops: N9KS, N9EZ, WB9HCO
AA9BJ	Sheboygan	M2	130	59	50	2000	11450	Sheboygan County ARC Ops: AA9BJ, KB9CGO, KB9HKG

Single-Operator/Technician

N9ICH *	Milwaukee	ST	0	138	30		4140	Milwaukee ARC
KA9TEP	Milwaukee	ST	0	179	23		4117	W/K ARC
N9LAD	Milwaukee	ST	0	72	19		1368	W/K ARC
N9EFX	Dodge	ST	0	41	23		943	Watertown ARC

Single-Operator/Mobile

WB9TOC *		SM	0	176	37	5000	11512	
N9AAA	Dane	SM	0	151	32	3500	8332	Watertown ARC
N9HDV	Dane	SM	0	12	6		72	Watertown ARC

Single-Operator/Fixed

KA9FOX **	Eau Claire	SF	80	655	100	500	74000	Fall Creek Contest Club
W9XT *	Washington	SF	140	584	100		72400	Kettle Moraine ARC
N9AW *	Milwaukee	SF	288	394	84		57288	W/K ARC
WO9B *	Waukesha	SF	88	451	93		50127	
KB9AIT *	Outagamie	SF	0	492	99		48708	W.A.C.O.
WB9HRO *	Sawyer	SF	166	411	83	500	48391	Sawyer Co. Fishing & Contest
WG9U *	Milwaukee	SF	220	330	84		46200	
KB9S *	Pepin	SF	464	126	72		42480	Wabasha Area ARC
K9OSH *	Waukesha	SF	238	265	83		41749	Kettle Moraine ARC
N9AU *	Milwaukee	SF	240	199	85		37315	West Allis RAC
WA1UJU	Waukesha	SF	260	215	74		35150	Kettle Moraine ARC
WW1M	Milwaukee	SF	82	331	84		34692	Kettle Moraine ARC
NØBSH	Eau Claire	SF	138	311	76	500	34624	Fall Creek Contest Club
W9WAQ	Dodge	SF	254	220	70		33180	Watertown ARC
KB9QL	Milwaukee	SF	0	348	93		32364	W/K ARC
N9FVN	Lafayette	SF	270	151	71		29891	
WU9B	Milwaukee	SF	74	286	79		28440	Kettle Moraine ARC
AJ9U	Milwaukee	SF	224	193	67		27939	W/K ARC
NA9M	Dane	SF	148	210	69		24702	Four Lakes ARC
N9HR	Jefferson	SF	158	208	66		24156	Watertown ARC
K9GDF	Milwaukee	SF	234	138	64		23808	W/K ARC
WB9MSM	Dodge	SF	240	140	62		23560	Watertown ARC
W9HE	Waukesha	SF	444	0	52		23088	
K9ZZ	Columbia	SF	184	118	67	500	20734	Yellow Thunder ARC
NX9H	Milwaukee	SF	48	241	68		19652	W/K ARC
K9LGU	Calumet	SF	310	49	53		19027	C.A.R.E.S.
KD9BC	Winnebago	SF	0	238	77		18326	W.A.C.O.
NO9M	Dane	SF	152	142	60		17640	Four Lakes ARC
W5ONL	Kenosha	SF	318	25	49		16807	Racine Megacycle Club
N9EAJ	Jefferson	SF	144	109	57		14421	Watertown ARC
NK9G	Milwaukee	SF	156	120	51		14076	W/K ARC
AE9K	Racine	SF	124	105	59		13511	W/K ARC
KB9EWK	Brown	SF	0	200	64		12800	Green Bay Mike & Key Club
WA9ZTY	Dane	SF	38	181	57		12483	Watertown ARC
N9AOT	Waupaca	SF	0	188	63		11844	W.A.C.O.
K9IAC	Milwaukee	SF	0	188	62		11656	West Allis RAC

GENERAL COMMENTS

Another Wisconsin QSO Party is over. Entries were up just over 10 percent, mainly due to our out of state entries. We had 143 total entries, 95 from Wisconsin and 48 from out of state, including 4 from Canada and one from Japan. 20 states were represented. This is still down from our high of 148 entries in 1987. Maybe some of you who operated but didn't send in your entry will see these results through the wide distribution of *Badger State Smoke Signals* and will consider entering next year.

58 Wisconsin counties were represented, down 10 percent, as well as 50 states and 11 Canadian Provinces. Burnett, Clark, Crawford, Florence, Forest, Grant, Iron, Marinette, Menominee, Polk, Richland, Rusk, Taylor and Vilas were not represented. This is the third year that Grant, and the fourth year that Rusk has not been on.

We would like to thank the mobile stations who put themselves out providing counties. We would also like to thank the many stations around the US and Canada who provided additional fun for Wisconsin stations and had a good time themselves.

The plaque for the best Single Operator - Fixed station goes to a young man who has only been around only a few years, but apparently has become a good contest operator, judging from his scores in other major contests. Scott Neader, KA9FOX, of LaCrosse represented the Fall Creek Contest Club effort, operating from Eau Claire County.

New this year is the traveling trophy for club competition. We were requested to reinstitute this trophy. We believe this will enhance friendly competition between clubs and within a specific club. Wisconsin clubs should use the Wisconsin QSO Party to spark activities within their memberships as a fun and rewarding event. The contest is specifically tailored to give Wisconsin hams the most enjoyment in the briefest amount of time. Take advantage of it!

We are planning to make one adjustment for next year. We will be moving up the last date the entries can be post-



Wisconsin Winners

First Place - Single Operator/Fixed



Scott Neader, KA9FOX, operating from Eau Claire County, keyed and talked his way to the top spot in the Single Operator/Fixed Station Category with a nice, round score of 74,000 points. His score, along with N0BSH with 34,624 points, gave the Fall Creek Contest Club fourth place in the club aggregate scores Club Competition.

Number One - Multi-Operator/Fixed



The top score in the Multi-Operator/Fixed Station Category, 46,920 points, was turned in by the Sheboygan County operating team of Rick Robinson, N19Z (left), West Bend, and Christ Bauer, W9RF, Sheboygan. Their score, added to three other operations, placed the Sheboygan County Amateur Radio Club in fifth place in the Club Competition.

WISCONSIN STATIONS - Continued

CALL	COUNTY	CLASS	CW PTS	SSB PTS	MULT	BONUS PTS	FINAL SCORE	CLUB AFFILIATION
K9LGU	Calumet	SF	310	49	53		19027	C.A.R.E.S.
KD9BC	Winnebago	SF	0	238	77		18326	W.A.C.O.
N09M	Dane	SF	152	142	60		17640	Four Lakes ARC
W5ONL	Kenosha	SF	318	25	49		16807	Racine Megacycle Club
N9EAJ	Jefferson	SF	144	109	57		14421	Watertown ARC
NK9G	Milwaukee	SF	156	120	51		14076	W/K ARC
AE9K	Racine	SF	124	105	59		13511	W/K ARC
KB9EWK	Brown	SF	0	200	64		12800	Green Bay Mike & Key Club
WA9ZTY	Dane	SF	38	181	57		12483	Watertown ARC
N9AOT	Waupaca	SF	0	188	63		11844	W.A.C.O.
K9IAC	Milwaukee	SF	0	188	62		11656	West Allis RAC
WB9TNF	Milwaukee	SF	0	211	55		11605	W/K ARC
K9FHI	Dodge	SF	0	195	59		11505	Rock River Radio Club
W9MSE	Fond du lac	SF	280	0	41		11480	
N9JAK	Racine	SF	2	180	61		11102	W/K ARC
W9CHD	Lincoln	SF	230	13	42	500	10706	
W9CBE	Dane	SF	248	0	43		10664	
KF9HI	Milwaukee	SF	98	145	41		9963	W/K ARC
WA0PFV	Racine	SF	6	162	53		8904	Racine Megacycle Club
K9BED	Milwaukee	SF	142	58	37		7400	W/K ARC
W9UB	Waukesha	SF	172	0	38		6536	Kettle Moraine ARC
W9YCV	Milwaukee	SF	50	83	47		6251	West Allis RAC
K9WTF	Waukesha	SF	0	116	52		6032	West Allis RAC
WA9WYI	Washington	SF	72	81	39		5967	Washington County ARC
WA9YVE	Jefferson	SF	0	126	42		5292	Watertown ARC
K9JIG	Brown	SF	0	118	43		5074	Green Bay Mike & Key Club
KA9HFA	Door	SF	0	120	42		5040	Door County ARC
W9GGN	Portage	SF	0	115	43		4945	CWRA
W9DMI	Milwaukee	SF	74	94	29		4872	W/K ARC
KE9C	Jefferson	SF	0	95	43		4085	Watertown ARC
WD9IAB	Manitowoc	SF	38	72	36		3960	
K9VGE	Waukesha	SF	4	87	42		3822	Kettle Moraine ARC
K9KR	Racine	SF	22	71	36		3348	West Allis RAC
WS9I	Waukesha	SF	22	82	32		3328	Kettle Moraine ARC
KB9DRT	Milwaukee	SF	0	107	31		3317	W/K ARC
N9DIJ	Milwaukee	SF	0	85	37		3145	W/K ARC
KF9EW	Jefferson	SF	0	79	39		3081	Watertown ARC
WS9P	Racine	SF	0	77	36		2772	Racine Megacycle Club
WA9PWP	Dane	SF	72	12	32		2688	Four Lakes ARC
W9FJE	Milwaukee	SF	0	81	33		2673	West Allis RAC
KA9WDX	Marathon	SF	0	73	33		2409	Taylor County ARC
WD9IWK	Waukesha	SF	0	72	30		2160	Kettle Moraine ARC
W9RZW		SF	0	59	34		2006	
WB9LSR	Milwaukee	SF	0	52	33		1716	Kettle Moraine ARC
WA9GON	Outagamie	SF	68	0	24		1632	W.A.C.O.
N0EDV	Ashland	SF	0	57	28		1596	
KC9BY	Waukesha	SF	0	51	27		1377	Kettle Moraine ARC
WY9E	Brown	SF	0	46	27		1242	Green Bay Mike & Key Club
WT9E	Dane	SF	0	33	21		693	Four Lakes ARC
W9ODV	Sheboygan	SF	44	0	13		572	Sheboygan County ARC
KC9CI	Washington	SF	0	29	19		551	Kettle Moraine ARC
WB9JPB	Dane	SF	10	16	15		390	Four Lakes ARC
W0WLN	Racine	SF	0	14	9		126	Racine Megacycle Club
KC9RH	Dane	SF	0	12	10		120	Four Lakes ARC
WV9Z	Waukesha	SF	0	8	6		48	W/K ARC

* Certificate
** Plaque

GENERAL COMMENTS

Continued from page 9

marked to the 31st of March. This will enable us to get the final information to Smoke Signals to make the June issue without any problems. This will help Smoke Signals and their printer. We did a survey of postmarks this year and found that 75% had their entries in within two weeks of the end of the contest. The rest procrastinated till near the last date. We also want to avoid any further mail problems due to tax payment time. Moving the date will prevent both these recurring problems.

Lastly, we wish to thank ALL THE STATIONS who participated, both fixed and mobile, whether to a large degree or to a small degree. WITHOUT YOU THERE WOULD BE NO PARTY. See you on the second Sunday of March, 1993.

- Lynn Tamblyn, K9KR,
for the Wisconsin
QSO Party Committee

SOAPBOX

Fun as usual, but activity seemed down this year. Worked 138 different WI stations and N4RVE who is travelling world on a computerized and radio equipped bicycle. Amazing how many WI stations do not know MKE is abbreviation for Milwaukee.

- WW1M/9

Activating a Rare County



One of the less-common Wisconsin counties on the amateur bands is Iowa County. During the Wisconsin QSO Party, it was less rare, thanks to Tom Weeden, WJ9H (at left in the right-hand photo), and Pete, N0GAF, who set



up shop in a Highway 151 wayside near Mineral Point. The duo worked 80, 40, and 10 meters, and also had contacts with aircraft on 146 and 446 MHz. The operation netted a total score of 11,615 points.

- Photos courtesy Tom Weeden/WJ9H

SOAPBOX

Continued from page 10

I did better than last year, but I guess ok for CW only.

- AE2N

The most interesting aspect of the contest was watching the progress of N9KS/M on my Wisconsin map as he sped along his great circle route providing multipliers for the likes of me (he worked N9KS 14 times.- ed.)

- VE3ADX

Born and raised in Fond du Lac. Was W9DIK in late 50's.

- W3GG

Very good QSO Party. Lots of Wisconsin stations.

- AE3H

A very enjoyable QSO party. Sorry I had to QRT so soon.

- VE3KK

Always a great contest. Like the one day event.

- WA3UNX

Always nice to work new friends and old, back home. Ex K9ZMS from Sun Prairie.

- K6NA

Thank you for a fun contest.

- WZ8C

7 hour test great idea. Don't change anything

- K8OI

Was up to contact #51 but lost beyond 34 due to a computer mistake (well, my mistake on the computer).

- WB8WKN

The alternator failed on my way to Holy Hill in Washing-

USA STATIONS

CALL	STATE	CW PTS	SSB PTS	WISCONSIN COUNTIES	FINAL SCORE	CLUB AFFILIATION
JG1RDV *		0	1	1	1	
WR4O *	AL	2	43	17	765	
AA4UF	AL	0	19	11	209	
K6NA *	CA	56	32	20	1760	
WBØPVN/6	CA	0	38	19	722	
N6WLF	CA	0	16	11	176	
K6ZCL	CA	0	11	8	88	
AE3H *	DE	0	24	13	312	
KO4DR *	FL	44	0	12	528	Dixie Amateur Radio Club
AB4KL	FL	0	25	20	500	
KE7UH *	ID	0	13	9	117	
K9UQN *	IL	66	117	41	7503	
WB9GKA	IL	24	58	25	2050	
WA9LEY	IL	20	27	23	1081	
WM9M *	IN	0	150	42	6300	SMC
K9DIY	IN	102	3	17	1785	
W3GG *	MD	112	34	24	3504	
KA1UEH *	ME	36	0	12	432	
WA1WPR	ME	30	0	10	300	
KA1YKO	ME	4	19	10	230	Ops KA1YKO, KA1ZQY
W8WVU *	MI	186	0	27	5022	
W8QM	MI	110	54	29	4756	
WZ8C	MI	104	0	19	1976	FISTS
WB8WKN	MI	0	34	20	680	
W8YL	MI	6	0	3	18	
KIØF *	MN	136	183	48	15312	
KWØU	MN	0	15	10	150	
KØJPL *	MO	128	53	32	5792	
N9ARX/Ø *	NE	68	108	37	6512	Aksarben ARC
AA2EM *	NJ	96	14	25	2750	
W2NZH	NJ	132	0	19	2508	
WA2LBT	NJ	82	21	21	2163	
AE2N	NJ	72	0	14	1008	
K2JD *	NY	78	67	27	3915	Operator NS9E
N2DCH	NY	52	23	23	1725	
WA3INC	NY	22	0	8	176	
WB8LXT *	OH	4	141	36	5220	
K8OI	OH	0	19	14	266	
VE3ADX *	ONT	126	0	27	3402	
VE3KK	ONT	74	5	20	1580	
WA3UNX *	PA	62	15	18	1386	
N3CZB	PA	50	0	12	600	
VE2EM *	QUE	82	11	22	2046	
VG2EOH	QUE	7	0	7	49	
K4RDU *	VA	144	9	25	3825	
W4XD	VA	144	0	23	3312	
K1HKI *	VT	44	28	18	1296	
K9YLI/7 *	WY	0	14	9	126	

* CERTIFICATE

ton County. Didn't make it back home (Dane Cty) before the old truck died. Lost an hour and a half because of that but I did have fun.

- N9AAA

Interesting thing during contest. Was on 20 where some DX was calling. Was called by 9K2HF, who thought he would give me a poi Only

my second 9K contact.

- KB9AIT

Operated mobile using pneumatically actuated mast with 10 meter ground plane on top. Mast was two 10 foot telescoping sections of PVC plastic, sitting on a snowmobile trailer "platform." Station had 13 antennas on 70cm, 2 mtr, 10 mtr, 20 mtr

and 40 mtrs. Pulling it all was a motor home.

- AA9BJ,
KB9CGO, and KB9HKG

Congrats for arranging contest. It was just the right length. Goal for this year is to be a better contester and upgrading CW skills, which contest helped. C U next year.

- K9DIY

Soapbox is continued and the Club Competition Scores are on the next page.



SOAPBOX

Continued from page 11

Thanks for another fun contest. 7 hours is just about the right length for a contest.

- N9FVN

As always this party is a fun event. CW does not seem to attract as much activity as SSB so never been able to make more than 30/35 contacts per hour. County multipliers seemed down. Using exciter into wire antenna which works out well for CW. Had 5 Europeans answer my CQ.

- W9HE

Activity from WI stations seemed down, particularly on CW, which seems to drop each year. Would have made 500 QSO's, but lost 12 minutes on 10 mtr due to power outage - common in Sawyer County.

- WB9HRO

Did worse than last year due to visitor which forced me to QRT just as 80 was becoming active. 80 is where I usually get the majority of my QSO's. Still was lots of fun.

- WD9IAB

Another good time. Family obligations cut into operating time, but still got some new ones for WPX.

- N9ICH

Interesting contest this year in that I dropped power from maximum to 100 watts and ended up with comparable score.

- K9OSH

Absolutely fantastic contest - second only to Field Day.

- WB9MSM

Was first year I operated QSO party as multi-op (with my wife N9IOC). After some tense moments at the beginning, we decided I would operate and she would log. Smooth sailing after that. Had such a good time we can't wait till next year.

- KO9Q and N9IOC

Had a lot of fun in the party as usual. The bands were at their best. Think everyone who joined in had as much fun as I did.

- KB9QL

Again a great contest. Lot of activity from other states and Canadian Provinces. Chris (W9RF) and I would like to thank them for their involvement in this contest. Chris, at 77, is the oldest ham to work the full contest this year? Shows that hams of all ages can enjoy this contest.

- N19Z and W9RF

Another blast as usual! My goal was to make the top 10 using mostly 20 mtr and all but 13 Q's were made on this band. The short skip really helped. Did I make it? See everyone next year with perhaps another unique operating twist.

- N0BSH/9

Tons of fun for a couple of hours worked. See you next year.

- N0EDV/9

Lots of activity. Nice to work a QSO party and not have to hunt around for someone to work.

- K0JPL

I've never really entered a contest before ... but it was

CLUB AGGREGATE SCORES CLUB COMPETITION

CLUB NAME	SCORE	ENTRIES	WINNER
KETTLE MORaine RADIO AMATEURS ***	278465	13	W9XT
W/K ARC OF GREATER MILWAUKEE	245575	17	N9AW
WATERTOWN AMATEUR RADIO CLUB	129605	11	W9WAQ
FALL CREEK CONTEST CLUB	108624	2	KA9FOX
SHEBOYGAN CO. AMATEUR RADIO CLUB	88354	4	W9RF
GREEN BAY MIKE & KEY CLUB	87103	5	KF9GP
WISCONSIN AMATEUR CONTEST ORGANIZATION	80510	4	KB9AIT
WEST ALLIS RADIO AMATEUR CLUB	67275	6	N9AU
SAWYER COUNTY FISHING & CONTEST CLUB	48391	1	WB9HRO
FOUR LAKES AMATEUR RADIO CLUB	46233	6	NA9M
WABASHA AREA AMATEUR RADIO CLUB	42480	1	KB9S
RACINE MEGACYCLE CLUB	28609	4	W5ONL
YELLOW THUNDER AMATEUR RADIO CLUB	22734	1	K9ZZ
CALUMET AMATEUR RADIO EMERGENCY SERVICE	19027	1	K9LGU
UW-MILWAUKEE RADIO CLUB	15840	1	WB9JBF
MADISON AREA	11615	1	WJ9H
ROCK RIVER RADIO CLUB	11505	1	K9FHI
WASHINGTON CO. AMATEUR RADIO CLUB	5967	1	WA9WYI
DOOR CO. AMATEUR RADIO CLUB	5040	1	KA9HFA
CWRA	4945	1	W9GGN
MILWAUKEE AMATEUR RADIO CLUB	4140	1	N9ICH
TAYLOR CO. AMATEUR RADIO CLUB	2409	1	KA9WDX

*** TRAVELING TROPHY

fun.

- KW0U

Once again a great turnout of hams from the great state of WI. I want to thank the mobile operators who really make this a great QSO party. They work very hard and without them it would not be the same.

- KI0F

I had a good time. Thanks.

- WA0PFV/9

Thanks again for a very good QSO party. Seems conditions were better this year than last year. Almost doubled my score from last year. Look forward to next year, however, I will be in Washington State for the next one.

- WB0PVN/6

This issue of *Badger State Smoke Signals*, with the official results of the 1992 Wisconsin QSO Party, is being sent to all participants who submitted logs.

The Wisconsin QSO Party is sponsored every March by the West Allis Radio Amateur Club. WARAC is also the sponsor of the Mid-Winter Swapfest each January at the Waukesha Expo Center, and the club awards several scholarships annually, which are administered by the Foundation for Amateur Radio. More information about the events and scholarships is available from WARAC, P.O. Box 1072, Milwaukee, WI 53201.

FCC Begins Heavy-Duty Series of Enforcement Actions

Continued from front page

neither the transceiver nor the amplifier are FCC type-accepted for CB Service use, Plourde was cited by the FCC for violation of its Rule 95.409(a): "Use of a transmitter which is not FCC type-accepted voids your authority to operate the station."

The FCC said that a dozen persons had been involved in four complaints about Plourde's CB operations since his move to his current address, and that Plourde had "Not been cooperative in addressing these complaints."

Although the FCC's policy statement of August, 1991, would have set the base forfeiture at \$8,000 for such a "clearly willful" violation, Plourde's fine was raised to \$10,000 because "In light of the history of complaints, it appears Mr. Plourde's violation was intentional," the Commission said.

Also on April 24, Roberto Pizano of Tampa, Florida, was issued an NAL for \$8,000 for unlicensed transmitting on the 40-meter Amateur band. Pizano, according to the FCC, claims to have spent 18 years in a Cuban prison before coming to the United States. He was making anti-Castro propaganda transmissions, speaking as president of the "Federation Mundial de Ex-Presos Politicos Cubanos."

The FCC credits an unnamed "publication for short-wave listeners," as well as a complaint from a licensed amateur, for leading to Pizano, who transmitted on 7080.8 kHz. Pizano took full responsibility for his unlicensed operation, according to the FCC. The Commission's FOB identified the source of the transmissions as RA Auto Wholesale; the establishment's owner told FOB personnel he furnished space to Pizano's organization but knew nothing about the radio transmissions.

A week earlier, Mrs. Michael W. Schifsky of East-bound, Washington, received an \$8,000 NAL. On September 4, 1991, according to the FCC, the Commission's monitoring station in Ferndale, Washington, heard transmissions on marine channel 68, 156.425 MHz. Those transmissions were traced to Schifsky's residence, after an FCC check turned up a license for the sailing vessel Marquitta II, issued to Mr. Michael W. Schifsky - but no license existed for a marine coast (land-based) station.

Mrs. Schifsky then produced a license - an Amateur Novice license, KA7ZVI, issued to her husband, Mr. Schifsky.

The \$8,000 NAL was based on operating a private coast radio station without a license.

Finally, on April 24, the Private Radio Bureau's Special Services Division issued the first Order to Show Cause and Suspension Order to amateurs in several years as the result of an investigation into volunteer examiner

practices. Charles P. Pascal, WB6CIY, and Sandra V. Crane, N6TFO, both Amateur Extra Class licensees, have been ordered to show cause why their Amateur operator licenses should not be suspended and their station licenses revoked.

These orders are the result of an FCC probe into volunteer examinations given in August and September, 1991 by Pascal and Crane. The FCC asserts that the two, operators of the California Amateur Radio School in Los Angeles, appeared to have "information that they used to tailor the contents of their instruction at the school to include answers to all or most of the questions that would later be part of the examinations, while excluding from instruction the answers to most questions that would not be part of the examinations."

The FCC Order also asserts that Crane administered license examinations to her daughter, Tracey L. Gullotti, in November, 1990, and in January and April, 1991, in violation of volunteer examiner rules regarding relatives and immediate family members.

Both Crane and Pascal have 30 days in which to request a hearing before an administrative law judge if they wish to present evidence in the case. They also may make a written statement to the Commission in lieu of a hearing. Suspension of their licenses will take effect in 30 days if neither a hearing is requested nor a written statement is made to the FCC.

Morse Telegraph Club's Grand Chapter Meets, Beats Murphy's Law

By Ero Erickson, KA9DYS

4024 North Pioneer Avenue, Chicago, IL 60634

This year, what was scheduled as a routine celebration of the 201st birthday anniversary of Samuel F. B. Morse, the inventor of telegraphy, in the Chicago area turned out to become the culmination of unbelievable events which bordered on being a real-life "twilight zone."

First off, Grand Chapter secretary of the Morse Telegraph Club, Bob Iwasyk, WB9KYW, a former Norfolk and Western Rail Road signal maintainer, picked a big-time hotel for the luncheon meeting. It was the Oak Brook Terrace, in the suburb of the same name. Timely invitations were mailed, which included the luncheon menu.

Good friend George Nixon, N9EJS, of Hillside, IL, tipped us off by revealing that there was no such hotel after casing the Oak Brook area. Between the time the notices were mailed and the meeting date, the eight-story hotel was sold. It became the Ramada. Previously, it was the Holiday Inn. Since the "new" owners had not officially opened, we rattled around the main floor as sole occupants with the restaurant exclusively to ourselves. It felt like a movie set from a mystery story.

Approaching the Liverpool Room, we came upon *Dots and Dashes* Editor Bill Dunbar, AD9E, punching the buttons on the telephone with a credit card in his free hand. He was trying to get his dial-up telegraph equipment on line to meet the hub in Pennsylvania. He finally made voice contact but the other apparatus didn't function, so he called the telephone man who showed up at once. (Why would a vacant hotel need a telco man?) What Bill needed was a wire chief. What happened was unclear, but they tore a pay telephone off the wall in the hallway and ran an extension for a good circuit.

George Nixon showed up with his gear, which included a converter that keyed a sounder from the output of a portable radio making the American Morse readable the natural way (with the usual Prince Albert can attached).

With a dozen members present waiting the call for lunch, I. Lowell Morse burst in, declaring that he had been driving around for an hour looking for the Oak Brook Terrace Hotel. Others had spotted the small road side street number "17W350," but couldn't see the new roof-mounted sign when close up. Lowell brought a litho of a famous painting by Sam F. B. Morse which was placed on an easel as a respected icon. The 9x12 original hangs in an art gallery on Michigan Avenue.

The meeting started by all standing up and holding hands while President Jack Montgomery, K9DQU, sent the grace message in continental code with a WWII military key strapped to his right leg. (Later, someone cracked, "Now send with your left leg.") The days of the local Morse circuit on the tables are apparently history. We all marched across the lobby to the unoccupied main dining room.

"Gentlemen, be seated," Secretary Iwasyk said. We sat in front of a cup of potato soup and a turkey sandwich. Hold it. Stop! Don't touch the soup! (Was it toxic?) The deal was that we order from the menu, said Bob. Send the soup back. Back it went, sandwich and all. Orders were taken; my soup came back, with a cheeseburger.

There was a 45-minute wait for the kitchen to regroup. The members just about exhausted their routine of old jokes before the recycled soup appeared again. Dunbar showed up, saying the circuit was working, and that he telegraphed with the Florida Chapter.

Iwasyk negotiated frequently with the management. He returned, saying that he had to show his Visa card before we were served, since they had never met face-to-face. We were offered dessert, which included "Baked Alaska," but no pie. Recalling the grandiose, flaming parades by waiters carrying Baked Alaska ice cream over their heads in grand ballrooms over 20 years ago, I got a disappointing old piece of cake, covered with cream whip and strawberry sauce. The rock-hard cake must have been left in the cooler by a previous management.

We could have done worse by going to a previous location in the Loop, the Carson's Corporate level, in the first basement. The week before, it had been flooded and the power turned off due to a pile-driving accident which punctured a hole into a service tunnel, letting the Illinois River in, which closed all of the downtown Loop. Building collapses were feared because Chicago is built on a swamp. Maybe that's why Dunbar's modem didn't dial up.

Our secretary's portable cellular telephone rang atop his briefcase, interrupting the business meeting. Bob grabbed it with a terse, "Yes, O.K., about 3:15." He got it into a minute, which costs 32 cents. He later explained that he may get an interface that would dial up telegraph, but it costs \$1,000 plus the 32 cents a minute toll charge. Just think, the good ole Western Union gave it to us free. Not so with the telco.

The Friday evening prior to the birthday meeting, Ted Koppel of ABC-TV discussed the reported confirmation of the birth of the universe from a tiny speck of material, known as the "Big Bang," by quoting from Genesis of the Old Testament:

*"The God began creating the heavens and Earth,
the Earth was at first a shapeless, chaotic mass...."*



Wet cable west of the Loop: Unhappy Bill Dunbar, AD9E, Morse Telegraph Club's editor of *Dots and Dashes*, celebrating Samuel F. B. Morse's 201st birthday April 25, 1992, declared "Now is the time I need a wire chief to clear this fine mess." The dead-ended circuit had left Bill hanging on a toneless pair.



Morse Telegraph Club's officers watch the members enjoy the pre-meeting gabfest at Oak Brook Terrace, Illinois, on April 25, 1992. Standing are (left to right) Jack Montgomery, W9DQU, Grand Chapter President; Bill Dunbar, AD9E, editor of *Dots and Dashes*; Bob Iwasyk, KB9KYW, Grand Chapter Secretary; and Lowell S. Morse, retired telegrapher from Winthrop Harbor, Illinois.



Happy days are here again, with AD9E's dial-up telegraph modem connected to the hub in Pennsylvania. He worked the Tampa Chapter of the Morse Telegraph Club with his hand key because he forgot his Vibroplex. Morse's birthday party was a success, in spite of many problems.

Photos by Ero Erickson/KA9DYS

No thanks to Murphy - it could be called a mess. Even Samuel F. B. Morse wondered about it early on by telegraphing "What hath God Wrought."

Did he send a question mark? □

THANK YOU to all of the volunteer authors, writers, photographers, cartoonists, and all of the others who work hard and help so much to keep *Badger State Smoke Signals* interesting, informative, and growing. We now mail more than 1,300 copies every month. This thank-you message comes from our readers, and from the volunteers on the production and mailing end of BSSS. We are:

Ken Ebner, K9EN, Chairman/Publisher • Jim Decker, WB9UQT, Treasurer • Don Evenson, K9JYX, Production Assistant • Jim Romelfanger, K9ZZ, Editor

Riverland Amateur Radio Club



Dick Low, K0JYB,
Secretary

Club mail address: P.O. Box 621
Onalaska, WI 54650



MEETING MINUTES MAY 5, 1992

The May meeting of the Riverland Amateur Radio Club was called to order by President Walt, AA9AW, at 7:02 p.m.

There were no visitors to be introduced.

The minutes of the last meeting were read by Secretary Dick, K0JYB. One correction was made regarding the date of the November Swap Fest. The date will be Nov. 7, 1992. The minutes were then accepted as corrected.

The treasurer's report was given by Duane, W9HWQ, and accepted as read.

Feroz, WU9N, told us that Wid, W9DM, had been hospitalized, and came home today.

COMMITTEE REPORTS

Special Interest Group Coordinator, Kent, W9LZQ, asked for volunteers to act as Ambassadors by visiting other area clubs such as Winona and Tomah. Feroz, WU9N, volunteered to visit Winona and Bill, KE9XQ, will go to Tomah.

Bruce, K9CUT, Chairman of the DF-ing committee is looking for people who are interested in Direction Finding, and presented a sign up sheet for those interested in participating.

Technical Committee chairman Van, WA9FIO, informed us that the audio delay board will be ordered by June 15th.

Trailer Committee chairman Greg Miller, KA9FOZ, reported that he took the trailer brakes apart, readjusted them and they are in good working order. There are no apparent roof leaks and the gas and electrical systems are OK. Kent, W9LZQ, has some tools and an antenna, and Feroz,

WU9N, reminded us of the Letters that are peeling off. George, KE9PL, inquired about the clearance and brake lights. Some work has to be done on the window hardware. Kent suggested that he and Greg get together regarding the window repairs.

Van informed us that we need new needle valves and a float for the generator.

Arby, WF9T, is storing the tower trailer and the new tower. He has gas and arc welding equipment that can be used for the new tower installation. Karl, W4ST, has some tower sections if we need them.

FIELD DAY COMMITTEE

Bill, KE9XQ, has secured the Jostad farm site for Field Day, to be held on June 27th and 28th, 1992. He has six operators signed up, and is looking for more people. Rick, KV9U, moved that we authorize one hundred dollars for miscellaneous Field day expenses. The motion was seconded by Feroz, WU9N, motion carried. A gratuity will also be given to Mr. Jostad for the use of the site.

PROGRAM COMMITTEE

Feroz, WU9N, our Program Chairman, reminded us of the Annual RARC Picnic, which will be on June 13th on Granddads Bluff. Members, their families and friends and neighboring clubs are invited to attend. Bring your own food and beverages. Paper plates and plastic utensils will be furnished by the club, as well as charcoal grills for cooking. Feroz's parents will be there as they will be visiting from Sri Lanka. Be there to meet them.

Kent, W9LZQ, will show a film of the amateur balloon flight at the June meeting.

The July meeting will feature Jule Kish,

KA9UGL, telling us about wiring a shack properly. The Mini Swap Fest will be held at the July meeting.

OLD BUSINESS

Scott, KA9FOX, exhibited the Certificates of Completion which will be awarded to our Ham Radio Class Graduates. Scott personalized the certificates with his laser printer, and they are great. President Walt and Secretary Dick will sign them.

Four "Hams In Space" VCR tapes have been distributed and there are six left. Roger, KA9BBK, will distribute the remaining tapes.

Scott, KA9FOX, gave us a rundown on his trip to the Dayton Hamfest. It was wet and cold, but he enjoyed eyeballing several contesters and he did buy lots of goodies. There were 2400 spaces at the flea market, a large number of exhibitors inside, and Kennwood and Icom had special setups out side, giving an opportunity to operate the various types of equipment.

Scott moved that we extend the meeting time, seconded by Feroz, motion carried.

NEW BUSINESS

Bob, N0PDD, informed us of the new remote receive site for the 04-64 repeater in Winona. It is PL activated.

Feroz, WU9N, suggested that we evaluate the Wednesday night Rain Network broadcast. The checkin list is small, although Walt, AA9AW, feels that there may be listeners who do not check in.

Scott, KA9FOX, talked about the Packet Cluster Network out of Madison on 220 MHz which he is able to reach via Chaseburg, WI. Scott would be glad to help any one that is interested in the Net.

Kent, W9LZQ, presented a report on the new Packet receive-only set up at the National Weather Service office. We will be getting reports from Rochester, MN., Tomah, WI. and Winona, MN. It is in the experimental stage as yet, and we need a person locally to check into the system.

Duane, W9HWQ, gave a nice presentation on testing components, such as transistors and diodes using a Volt-ohm meter. He gave us hints regarding testing components in and out of the circuits. It

was a very interesting and informative topic.

Upon proper motion and second, the meeting was adjourned at 8:10 p.m.

Submitted by Dick, K0JYB

Our speaker for the evening was Don, KS9F. Don was a Communications Officer for the U S Embassy in Saudi Arabia during the Desert Storm War in Iraq. He showed night time attacks of the Scud missile type and the effect of the oil well fires in Kuwait on the atmosphere. He showed several VCR tapes, including a CBS tape that was never shown on TV.

Don is leaving for Quito, Ecuador where he will be with his wife, who is with the U.S. Embassy. Don hopes to study Spanish and will be on the air on 15 meters. He will return to La Crosse to complete his education at UW in about a year or so. Good luck, Don.

MEETING ATTENDANCE MAY 5, 1992

Joe Mezera	WA9SOQ
Walt Altus	AA9AW
Feroz Ghouse	WU9N
Bob Wilson	N9LZK
William L. Wood	KE9XQ
Karl Olberg	W4ST
Karl Simonson	KB9EQI
Duane Fruechte	W9HWQ
Brian McCarthy	N9IWP
Dick Low	K0JYB
Greg A. Miller	KA9FOZ
Tom Lightfoot	N9OKF
George Kroner	KE9PL
Charlie Burch	KA9UUK
Scott Hurd	KB9GCV
Mike Warnock	WN9P
Jim Brooker	N9DBK
John Jorenby	KA9ETH
Van Elston	WA9FIO
Scott Neader	KA9FOX
Mike Tessmer	N0BSH
L.F.(Nook) Bentzen	K9EGO
Dallas Miller	K9LEC
Robert Stark Sr.	N0PDD
Kent Helman	W9LZQ
Dean Summers	KQ0C
Dennis Heifner	N0BKW
Gary L. Webb	N19V
Rick Williams	KV9U
Clarence Crum	N9NXW
Roger Reader	KA9BKK
L. Lewis	WA9TQJ
Bruce Bjerstedt	K9CUT
Arby Boomer	WF9T

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LeFrog Scouts Sail Through Field Day

William Howe, KA9WRL, is the Assistant Scout Master of 30 active Boy Scouts. Bill says to emphasize the word "active". To help the boys use up their extra vigor he devised the Local Emergency Field Radio Operating Group (LeFrog).

First, most of the Scouts got their electricity and radio merit badges. Next, they got to wear a metal button on their shirts, a comical frog surrounded by a green circle, to proudly show that they are a LeFrog member. Then, several Scouts became licensed amateur radio operators. Finally, others are studying to take their amateur radio license exams.

The LeFrog radio station world map is covered with pins confirming radio contacts almost everywhere. One special chat was made with England on packet radio.

The group will be operating Field Day while maritime mobile from a 35-foot sailboat in Lake Michigan. They start from Milwaukee's South Shore Yacht Club harbor area. Bill remembers that the clutter of sailboat masts in the harbor created some signal scatter when they kept close to shore because of stormy weather last year. Electrical generators are used while in the harbor but batteries provide power while out sailing.

Scout Leader Howe says, "The group did real well in last year's Field Day with six licensed LeFrog operators making hundreds of contacts," and they are plan-

Racine Megacycle Club

Arne Moxness, KA9ZPY, Secretary

3345 Newman Road • Racine, WI 53406

RACINE MEGACYCLE CLUB MEETING • MAY 11, 1992

The meeting was started at 7:30 p.m. by Cheryl, WS9P, with President Brian, WD9FRH, absent. 26 hams were present. The secretary's report from the April meeting, as presented in the *Badger State Smoke Signals*, were approved. Treasurer Dave, WB9ZIO, gave his report. The new balance is \$456.68.

All hams present introduced themselves, and three new hams waiting for their licenses were recognized.

OLD BUSINESS

Field Day: Jim, KB9CCY, gave a report on the readiness of the Field Day. He has gotten a good response, but many volunteers are always useful since the setup then goes so much faster. The tents and antennas have to be erected.

Cheryl, WS9P, explained the Field Day for the new hams.

Treasurer Dave, WB9ZIO, will purchase the new food shelter or tent, which has been discussed in the past.

General Field Day Chairman (top dog) is Jim, KB9CCY. The Food Specialist is Gene, WB9CKY, Generator Specialist is Gary, N9MJH, PC Computer Log Specialist is Dennis, WB9SVM, local Photographer Specialist is Steve, K9ZL, and Road Sign Specialist is undersigned Arne, KA9ZPY.

The place is as last year, the first entrance south of the main entrance to Armstrong Park, 3617 Highway 31, about 1 mile north of Highway 38.

Dick, W5ONL, invited all local hams to the Racine Megacycle Club picnic July 13 at his QTH. You can be there already at 5:30 p.m., and the dinner/socializing will start at 6:00 p.m. The Business meeting will take place at 7:30 p.m. His

address is: Dick Sisson (W5ONL) 517 Sheridan Road, Highway 32, about 1/2 mile south of the Hob Nob on the same side, east, facing the lake. Look for two concrete entrance pillars as soon as the open area showing the lake ends. Be careful, the traffic on 32 is dangerous, few places to stop and turn around if you miss the entrance.

Bring what you want to cook on the grill and bring a dish to pass. The club will provide beverages, plates and utensils, ice, charcoal, condiments like mustard and ketchup. The area coordinator, Dick Regent and his wife, will also be invited like last year.

On the Committee are besides Dick, W5ONL, are Cheryl, WS9P and Fern, W9LCJ.

All the clubs combined picnic will take place on August 23. Place: Decision Farms, 6 Mile Road. More details to follow.

NEW BUSINESS

Dan, KA9OIL, the Fox Hunt (transmitter hunt) coordinator informed that there will be another Fox Hunt on May 16 where you will have to leave the car and look for the fox. It was suggested you bring boots and old clothes for the search. The hunt will start at Regency Mall at 7:00 P.M.

The new official "Goodie Box" salvaged from Steve, K9ZL's flooded basement, was given to Don, KB9HAM.

It was reported that Steve, W9XHM, was in need of some antenna work. Bruce, K9RRS, promised to help him.

At the June meeting Bob, W0WLN, will hold a program about his experiences as prisoner of war in Germany.

Respectfully submitted:
Arne, KA9ZPY, club secretary

Eau Claire Amateur Radio Club

Don Franzmann, W9NFJ, Secretary

2728 Marilyn Drive • Eau Claire, WI 54701

MEETING MINUTES MAY 12, 1992

The meeting was called to order by President Bill Jablonske, W9NNS, at 7:34 p.m. Introduction of members and guests and signing of the roster followed. The secretary's and treasurer's reports were read and approved.

Joe, KB9R, and Bob, W9BAR, of the Repeater Assessment Committee, informed the club that the new controller is in operation, and that the new antenna was installed on May 8. Bob indicated that field reports as to the effectiveness of the new antenna would be appreciated. Joe then demonstrated the many features of the new controller, and answered questions posed by club members. A rousing round of applause was given in appreciation for the excellent work done by the committee.

President Jablonske again addressed the request to participate in the July 4th celebration at the Highground Memorial near Neillsville. Following a brief discussion, the club decided to take part, utilizing the club's trailer and nine operators. The secretary will so inform Mike Schoenfuss, N9GHZ.

Jeff, N9JMB, distributed draft copies of the club's by-laws and Repeater Information Directory for comment at next month's meeting.

Sue, KB9EUP, reported on the current status of insurance coverage on the club's trailer, as well as general liability and equipment coverage.

President Jablonske, W9NNS, reported on the status of the WAPR 6-meter backbone system. Bill will present a program in early fall regarding the use of his bulletin board.

Fred, KC9NN, informed the club that he now has North American Call Book listings on his computer.

Jeff, N9JMB, reported on a simulated disaster exercise at the Eau Claire County Airport. This drill, one and a half years in planning, centered around the crash of an airliner. Club operators provided communications for Red Cross and other support agencies. Club members participating were Jeff, N9JMB; Kevin, N9OHE; Dan, N9HME; Rich, N9MEH; Jenny, N9NFK; Jim, N9LIJ; Craig, N9NCW; Mike, N9JMA; Fred, KC9NN; and Chris, KA9UQO.

Jerry, N9GA, asked for help in providing communications for the Eau Claire Bike Club's race this coming Sunday.

The lunch committee for June is Jim, N9LIJ, and Liz, N9EQR.

The meeting was adjourned at 8:39 p.m.

Respectfully submitted:
Don Franzmann, W9NFJ, Secretary

Northern Wisconsin Radio Club

- Since 1923 -

Steve Hart, KA9OMC, Secretary

Route 1, Box 54 • Knapp, WI 54749



Greetings, NWRC members and guests.

The last meeting of the NWRC was held on April 23 at the Peppermill Restaurant in the Thunderbird Mall, Menomonie. The scheduled tour of the WMEQ towers east of Menomonie was cancelled due to extreme wet conditions of the access road, and it is hoped that this tour can be scheduled some time this summer as a club activity.

President Ken, KE9CS, conducted the meeting and opened with some comments about a computer disk he has put together listing an extensive cross-reference of transistors. If you have a hard-to-find one, contact Ken, KE9CS.

Steve, KA9OMC, gave the club balance at \$493, and mentioned the previous meeting's discussion of the proposed club constitution. Flyers for the Eau Claire hamfest, scheduled for July 18 at the Chippewa Falls Fairgrounds, were handed out, along with some promotional materials on QSL cards.

Old business was a discussion of the amended proposed club constitution. Dave, K9ZVZ, asked about the 51% members in attendance definition regarding voting on club business. The concern was that in times of low attendance a couple people may make decisions that may not represent the membership as a whole. Steve, KA9OMC, commented that attendance totals were usually over 15.

President Ken, KE9CS, suggested that the constitution be voted on this coming fall meeting, after a copy of the proposed constitution had been distributed to all the members. Steve, KA9OMC, commented that all the members will be receiving a copy of said, along with a current club roster in the mail. Attached will be a cover sheet describing the NWRC

yesterday and today.

Club new business involved a vote on returning the fall banquet to the list of regular club activities. Steve, KA9OMC, suggested that there had been some requests for this since the last one in 1984. The motion carried, and you will receive your reservation notice along with the other club information that will be mailed to the membership this summer.

Steve also reminded everyone of the club Field Day exercise at his farm on June 27 and 28. A Friday night picnic at 6:30 p.m. is planned. Bring a dish to pass and what you need, as this will again be a traditional Field Day without the use of commercial power. The Eau Claire club is also invited to join in the activity.

You will need to provide your own shelter, as the activity will be held in the pasture. Bring equipment if you like, or come to visit. *No alcoholic beverages, please!* Keep track of your items, as we are not responsible for personal loss.

Directions are: Take Highway 12 west of Knapp to County Q North. Take the second left after leaving Highway 12 (Halgren Road) then, second farm on the right after you leave County Q. Call-in on 146.01/61 MHz on the new RCRA Knapp remote receive site.

After the meeting, an attempt at showing a grounding film was made. The tape seemed to be technical in nature, and requests from many attending to try to show this again were received. President Ken quickly filled with a discussion of the area repeater changes and upgrades.

Thanks to all for attending the last spring meeting.

Steve Hart, KA9OMC
NWRC Secretary/Treasurer

Mancorad Radio Club

Lou Maylander, KA9ZQF, Secretary

P.O. Box 204 • Manitowoc, WI 54221-0204

GENERAL MEETING MAY 6, 1992

OLD BUSINESS

1. Treasurer's Report: Treasurer George (N9BCX) reports on the donation from the Lakeshore Disaster Support Group. Treasurer's report accepted as read.

2. Secretary's Report: Secretary Lou (KA9ZQF) absent from meeting; copies of minutes from last meeting available; Board

Member Ron (WS9X) substitute Secretary. Minutes of last meeting accepted as read.

3. Hamfest Plans: The majority of discussion is focused on the upcoming Hamfest. Reportedly Amateur Electrical Supply will be giving rides to anyone who has purchased \$1000 worth of equipment in the last 10 years. Reportedly A.E.S. has also sent out our Hamfest flyers in conjunction with one of their own sent to all of their customers in the 9 call area.

Please turn to page 17

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WB9QFW 2-Meter Repeater 146.07-.67 and Club Station

P. O. Box 847 • Plover, WI 54467

The meeting of May 13, 1992, was called to order by our president, Art, N9BCA, at 19:31 hours. There were 27 members and guests present, the roll being as follows:

N9BCA	ART WYSOCKI
KA9ACE	JIM BENAK
KA9FAS	MARY EIDEN
N9EIL	DEBBIE KROLL
KE9MA	GENE KROLL
WD9JID	MIKE EIDEN
N9JQU	DAVE OLSON
KA9YJI	SLADE KLAWIKOWSKI
N9JW	JOE LARSON
NE9U	SCOTT JASPER
W9NN	BOB BAIRD
KA9LAQ	MIKE PAGEL
K9DB	PAUL NELLES
KE9IA	GORDON MILLER
N9OGV	JOE
N9GEP	GENE HAMUS
KF9FI	JOHN KINNEY
KF9FI/XYL	LINDA KINNEY
NJ9H	RON HOWE
KA9TTU	JOE MANGAL
N9MZI	BRIAN ASPLIN
KF9BG	RAY DIX
N9NOG	JOANN DIX
KB9DUR	ADRIANA DIX
N9OVT	DAVE GOLLA
W9BCC	FRANK GUTH
KB9GXV	MIKE URBAN

The first order of business was the election of a new vice-president - the position was vacated by Mike, N9IAT, when an opportunity for "financial security" presented itself in another city. There were only two nominations for the position, N9JQU, Dave, and N9EIL, Debbie. When Dave declined the nomination, Debbie became our new V.P.

Art, N9BCA, gave an update on the progress of the upcoming swapfest and vendor status. Also presented were some changes of past practices related to the swapfest, the most notable being that ALL those attending will be required to pay the \$3 admission price, even those working for the event.

Field Day was the next topic, but in the absence of KF9HQ, Russ, there was no progress to report. It was pointed out by Art, N9BCA, however, that unless we had enough commitments by club members that there would be someone on the site for the duration of the event, no club equipment would be made available for use. Since we will be in a public area, we must safeguard our equipment. Another item of concern was the possibility of getting something (snow fence??) to put around the tower and generator to keep any sightseers away from these potentially harmful areas (getting burned on the exhaust pipe, climbing the tower, etc.)

N9JW, Joe, then read a list of hams that had taken/completed the Novice/Codeless class who were going to receive Certificates of Completion for credit under

the Continuing Education program. Of those named, only N9NOG, Joann, was present, and she was presented with her certificate and given a hearty round of applause for her achievement.

N9JQU, Dave, reminded those planning to volunteer for the Special Olympics that we would need to attend one of the pre-event volunteer meetings that will be held on June 1&2 (Monday and Tuesday evenings). There is much helpful information presented at these meetings, so please attend one of them. For more info, or to volunteer, you can contact Dave at (715) 341-8353, or on the Monday night ARES net.

Paul, K9DB, gave us some insight as to possible attractions that might be featured at the Special Olympics. Negotiations are still under way for these and, as a result, I cannot elaborate on the details. Good luck, Paul.

KA9LAQ, Mike, informed us that there has been an antenna put up on the LRC next to the .67 antenna. This seems to be a microwave link for the Communications department and may be a source of interference on the repeater. If you notice any unusual problems (on .67 ???), contact Mike so the proper people can be made aware of the situation. He was also looking for someone to build an antenna switch for the CNR for their tracking antennas that are used for aerial tracking. It needs to switch between left, right, and both antennas. Any takers?

Lastly, which closed the meeting on a lively note, Jim, KA9ACE, presented a letter from the ARRL which offered special rates (??) to clubs for liability insurance. MANY arguments on both sides of the issue before it was decided to investigate the situation further and getting reports on this matter at the next meeting (add another one to the list of "never discuss").

Our attention was then brought to bear on the program for the JULY 8 meeting, which will be a tour of the CWA control tower in Mosinee. More details in next month's newsletter.

With that, the meeting was adjourned and, after a short break, Gordon, KE9IA, explained and demonstrated a program which sends morse code in Russian. A very interesting presentation for those who stayed for it.

LATE BREAKING NEWS

The June (and July ?) meeting will be in room D-214 of the Science Building. NOTE THE CHANGE!! Also, We need help on June 14 to set up for the swapfest. The most bodies will be needed at 6:00 for table set up, 6:30 to assist dealers moving in, and from 12:30 to 1:00 to help dealers pack up. Everyone is invited, the more the merrier.

73 de KA9ACE

Sheboygan County Amateur Radio Club

Kurt Diedring, WB9GLB, Secretary

1603 North 16th Street • Sheboygan, WI 53081

MEETING MINUTES APRIL 14, 1992

Our April meeting began at 7:00 p.m. with a Weather Spotter Seminar from the National Weather Service. Our speaker was John Haase. He showed slides and a video to illustrate his talk.

After the presentation and a small

break, the meeting was called to order at 8:57 p.m. by Ron Brey, N9ITM. The minutes of the March 1992 meeting, given by Kurt, WB9GLB, were accepted as read.

There was no Treasurer's report.

Guest were introduced and Tom, AA9BJ, presented KB9HQV, Chris Meifert, KB9HQT, Bob Gesch, and KB9HQS

Steve Scheuren as new Novices.

2M net operators were solicited for the coming month, and it was suggested that we all meet after the net on 28.350 MHz with our new Novices.

REPORTS FROM STANDING COMMITTEES

Lyle, WE9R, reported that the repeater was checked out for the weather alert features, and that the 911* (Star) has to be used to reach the Sheriff's Department in an emergency.

Rob, KA9AFT, reminded the club again to be alert for possible severe weather and the upcoming mock disaster on June 13, 1992.

OLD BUSINESS

Our club was accepted by Kenwood as a KIDS participant.

Ron took a list of operators for the May 9 Special Olympics and the ADA Bike Ride Plus on May 16.

The Red Cross building will be available on Tuesday nights for classes.

A new Novice class is scheduled to start on April 28, 1992, from 7:00 to 9:00 p.m.

NEW BUSINESS

Nominations were accepted for the upcoming election of club officers.

The club's gin pole is being stored at N9ITM's residence.

No further business, the meeting was adjourned.

Respectfully submitted:
Kurt Diedring, WB9GLB, Secretary

MEETING MINUTES MAY 12, 1992

The May 12, 1992 meeting of the Sheboygan County Amateur Radio Club was called to order at 7 p.m. by the president, Ron Brey, N9ITM.

A moment of silence was requested in memory of Marvin Bartz, W9MYG, who died May 1, 1992. Marv was an active club member and operator. Marv enjoyed being an Elmer, and was an inspiring influence to many hams.

Minutes of the April meeting were not read, since the secretary, WB9GLB, is in Germany. President Ron Brey read the minutes of the April Board meeting, and gave an informal treasurer's report, in the absence of the treasurer, N9IXX.

Operators were solicited for net control for the next month's Monday evening net. All four upcoming Mondays were filled.

Report from the Technical Committee was given by President Ron, N9ITM, on behalf of Lyle, WE9R. It was explained that a Motorola Micor 100-watt repeater was installed for use, under the name of SCARC. This was made possible by the generosity of Lyle, WE9R, who is allowing use of this equipment while retaining ownership of the radio. The repeater is installed west of Plymouth at Al Martel's (NF9R) QTH. Thanks to WE9R and NF9R.

OLD BUSINESS

1. Thanks were given to David, KB9GHE; Larry, WB9FXQ; Rob, KB9AFT; Wally, N9EZI; Chad, N9HMR; and Ron, N9ITM, for assisting with communications at the local chapter of the Special Olympics. Thanks were also given to Don, KD9PE, and Mike, KO9Q, for the use of their H.T.s.

2. Members who volunteered to assist with communications at the ADA Bike Ride Plus, held on May 16, were instructed on meeting time and location. Radio communication will be provided for the safety and efficiency of this event. 6, 8, 14, 20, and 39-mile courses are planned. Thanks to all who have volunteered.

3. Accepted nominations for officers and Board members for the 92/93 term were announced. Any additional nominations need to be to Ron, N9ITM, by May 26, 1992.

4. A packet radio weather FAX demo was given by Al, NF9R; Rob, KB9AFT; and Kurt, WB9GLB, at Sheboygan's Computer Fair. This was held at the Mead Public Library on Saturday, April

24, 1992. Public attendance was very good and very intrigued by this demonstration.

5. A new S.C.A.R.C. Novice class has started with 11 students. Classes are held at Lutheran High School, and instructed by Tom Hetzel, AA9BJ, and Luiz Cordeiro, KA9HUF. Other club members are also active with speeches and demos for the Novice classes.

6. Club membership dues are due by the June 9, 1992 meeting. If you cannot attend this meeting, please send your dues

Continued on page 17

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Field Day Afloat for LeFrog Boy Scouts

Continued from page 14

ning to do better this year and hoping for better weather.
Listen for LeFrog calling "CQ Field

Day, this is KE9WC," using two verticals, two transceivers under 100 watts, and operating on 10, 15 and 20 meters CW and SSB. Give LeFrog a call before they jump to a different frequency.

Rabbit. Rabbit.

- Richard Regent, K9GDF
Milwaukee, WI 53221

New Products

MFJ ENTERPRISES, INC.
1992 Ham Catalog

MFJ-247 SWR Analyzer with LCD frequency counter
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\$179.95

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For technical help call toll-free 800-647-1800 (8324)

1992 MFJ Catalog

MFJ Enterprises, Inc. proudly announces the release of its free 1992 catalog, loaded with new and exciting products!

MFJ Enterprises, Inc., the world leader in ham radio accessories, brings you their latest twenty-page Amateur Radio catalog with new and improved products from MFJ and Ameritron. It's free! Simply call or write for your copy.

In this catalog, you will find the new MFJ-247 HF Antenna Analyzer - the newest SWR analyzer, with a built-in 10-digit LCD frequency counter, for only \$189.95. Also, there are two new SWR analyzers for commercial radio - the MFJ-217 (30-50 MHz) and the MFJ-218 (150-170 MHz) for only \$149.95 each.

The new MFJ-9020 20-meter QRP transceiver with a 5-watt rating is just \$179.95.

The improved MFJ-945D Compact Mobile HF Antenna Tuner covers 1.8 to 30 MHz with a new, lighted cross-needle meter. It is rated at 300 watts, and is just \$89.95.

The improved MFJ-941E 300-watt Versa Tuner II, with a new, lighted cross-needle meter, is only \$109.95.

The improved MFJ-815B Cross-Needle SWR/Wattmeter features extended range from 1.8 to 60 MHz, and is just \$69.95.

The new MFJ-346 600 MHz 10-digit LCD Frequency Counter is only \$189.95.

A new and exciting line of 2-meter antennas is featured: The MFJ-1730 2-meter Pocket Roll-Up™ half-wave vertical J Antenna, just \$14.95; the MFJ-1740 improved 1/4-wave Ground Plane 2-Meter Antenna for only \$12.95; The MFJ-1750 300 watt 5/8-wave Ground Plane 2-Meter Base Antenna and the MFJ-1752 300 watt 5/8-wave 220 MHz Base Antenna for only \$19.95 each, and the MFJ-1763 Portable 3-Element Beam for 2 meters for only \$39.95.

The new MFJ-704 Low Pass Filter suppresses TVI, RFI, telephone, and other interference by reducing unwanted harmonics going to your antenna for only \$39.95.

The new MFJ-1116 Deluxe Multiple DC Power Outlet monitors DC voltage with a built-in voltmeter, just \$44.95.

Two mini-speaker/mikes: MFJ-283 for the Alinco DJ-160 and compatible HTs and the MFJ-285W for the Icom IC-W2A.

The new MFJ-1202 Contest Connie is a plug-in PC board with software for use

in DX contests for only \$149.95.

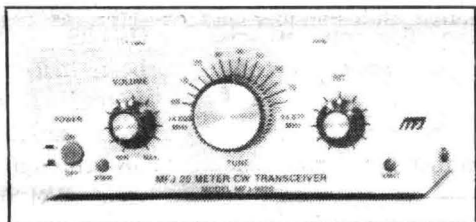
The new MFJ-1271 Plug-In full feature Packet TNC for Commodore, uses Digicom 64, for only \$49.95.

The new MFJ-1214 Multimode Computer Interface includes software, cables, power supply, owner's manual, and Jump-Start™ guide. The MFJ-1214 lets you transmit and receive FAX, WeFAX, RTTY, ASCII, and CW for only \$149.95.

Plus, there are several new products from Ameritron in this catalog - the QSK-5 T/R Switch for only \$349.00, and the ICP-120 and ICP-240 Inrush Current Protectors for only \$79.00.

You will find the most affordable and reliable antenna tuners, SWR/Wattmeters, artificial RF ground, SWR analyzers, antenna bridge, noise bridge, antenna current probe, keyers, code practice oscillator, antennas, speaker/mikes, clocks, repeater controller, RFI choke kit, antenna switches, dummy loads, low-pass filter, line monitor, speaker, power outlets, filters, phone patch, transceiver/preselector, antenna tuner/preselector, antenna tuner/preamplifier, indoor and outdoor active antennas, computer interfaces, books, about ham radio, Morse code computer programs, theory tutor computer programs for IBM and Macintosh, packet radio controllers, and amplifiers from Ameritron.

To get your free copy, see the last part of the New Products listings for information. - MFJ news release



MFJ-9020 5-Watt 20 Meter Transceiver

MFJ Enterprises, Inc. proudly announces a neat, go-anywhere 5-watt 20 meter CW transceiver that is small in size and big in performance, and priced at only \$179.95.

The new MFJ-9020 is perfect for radio amateurs everywhere. It covers 14.000-14.075 MHz, with a stable, five-watt output transmitter, superheterodyne receiver, RIT, audio-derived AGC, adjustable semi-breakin, CW sidetone, and built-in speaker plus earphone jack. This compact transceiver measures only 2.25-X 6 X 6.50 inches (H,W,D), has a razor-sharp 8-pole crystal filter with 500 Hz bandwidth and vernier tuning to give the performance of a "big rig." It operates from 12-15 VDC, and fits in a briefcase with plenty of room to spare.

The MFJ-9020 is great for traveling, vacationing, and QRP DXing. It is an outstanding performer you will enjoy for many years operation on Amateur Radio's all-time favorite band of 20 meters CW. A QRP delight!

An optional MFJ-726 plug-in narrow CW filter (audio type) is available for \$29.95.

An optional MFJ-412 plug-in Curtis-keyer is also available for \$39.95.

It comes with MFJ's one full year unconditional guarantee.

For more information, or to order MFJ products, contact any MFJ dealer, or MFJ Enterprises, Inc., P.O. Box 494, Mississippi State, MS 39762, or call (601) 323-5869; FAX: (601) 323-6551; TELEX (601) 323-6551; or order toll-free at (800) 647-1800.

- MFJ news release

Sheboygan County Amateur Radio Club

Continued from page 16

to the new treasurer, Luiz Cordeiro, KA9-HUF, 1623 N. 21st Street. Your membership dues must be paid before July to retain your subscription to *Badger State Smoke Signals*. Single member \$15.00, joint member is \$25.00.

NEW BUSINESS

1. The S.C.A.R.C. will purchase new code practice tapes in memory of Marvin Bartz, who died May 1, 1992. This was decided by the club since Marv enjoyed CW and teaching new hams of its significance.

2. The club's antenna and hardline located at the CTH EE will be removed by Bay Tower. This removal was requested by Bay Tower to accomplish tower installations being made by the owner or tenants of this structure.

3. A regular club meeting will be held on June 9, 1992 at 7 p.m. at the Red Cross Building in Sheboygan. This is being announced since it is customary to hold this meeting at Field Day. Field Day

Mancorad Radio Club

Continued from page 15

(Rumor has it that this amounts to \$18,000 flyers!) Phone lines were also set up for A.E.S. at Expo. Further discussion centers around the number and distances other vendors are coming from. (Apparently there are two vendors from Florida!)

Club member Chuck (W9BZU) donates a 1992 ARRL Handbook as a door prize.

Discussion regarding the number of volunteers ensues.

Discussion regarding the test site and testing ensues.

Motion to set the date of the Hamfest next year is moved by Board member Bob (N9LVU), seconded by John (NZ9Z). The date for next year's Hamfest is May 8th, 1993.

P.S. Thanks to the "SMOKE SIGNALS" for the ad! (KA9ZQF).

NEW BUSINESS

4. New Novices: Congratulations to the three new Novices who passed their tests on Tuesday night.

5. New Membership Applications: Dennis (N9PAS) is accepted after the

From the Editor

Last month, I sent a letter to our participating clubs after some material for publication from some of the clubs arrived only two days before the issue was due to be finished and at the printer. That really put pressure on us (especially myself) to get the material in that issue.

The letter was written during that time of great frustration. I received two replies, both from those who sent late material. One was a very nice letter; the other was a little "testy."

It is time for me to explain again that we take our obligation to our participating clubs very seriously. Those clubs are paying for the service we try very hard to provide. Those clubs are entitled to the very best that we can do for them, and we do exactly that. But, when material arrives in my mailbox in a bundle with a rubber band around it two days before the pressman expects the pasteups, and that material is of the *must-be-printed* type, it does not permit us to give the service we want to provide.

I apologize from the bottom of my jar of rubber cement (messy, messy stuff!) if the letter offended. Perhaps it is time for us to be a bit more "laid back" and to not to take things as seriously as we have been. But, we do not take our obligation lightly. And that is what - and all - that letter was intended to convey. Nothing more. It certainly wasn't personal. We just

June 1992 • *Badger State Smoke Signals* 17
activities will be finalized at this club meeting.

4. Three motions were made by Tom, AA9BJ:

(1) That our club donate \$50.00 to Lutheran High School for use of their facility and equipment;

(2) That our club donate incentive gifts to the Novice students who complete written exams and/or code tests prior to scheduled dates. The first student to pass both written and code tests prior to scheduled date will receive one-year ARRL membership, one-year S.C.A.R.C. membership with 12 issues of BSSS, a free code practice oscillator, and a \$25.00 gift certificate from Kenwood. The first student to pass either the written or code exams before the scheduled date, with exceptions to the first-place winner, will be awarded same as above, with exception of ARRL membership. All students passing the Novice exam requirements will be given S.C.A.R.C. membership with 12 issues of BSSS for \$5.00. A \$25.00 Kenwood gift certificate will also be awarded;

(3) The third motion was to have a new Novice appreciation meeting night, to present the above incentive awards and meet our new ham and club members. All three motions were approved by the membership.

Respectfully submitted:
Ronald Brey, N9ITM, President

second reading of his application. The following applications are given their first reading: Richard Swanson (no call), Leonard Coombs (no call), Steve (N9BPL), and Clark (K8BP).

6. Car Ferry Special Events: Reportedly three people can operate on one cruise only, but they can operate while docked also. Arrangements are being made to have the Emergency Vehicle there also.

7. Club Equipment: A five minute break is taken to look at old equipment in the club room. One old radio is sold, with the remainder to go to the club table at the Hamfest. (The old Lakeshore equipment is excluded from the sale.)

8. Post-Hamfest Banquet: Eighteen individuals are already signed up to attend at Kaspers Supper Club on Saturday night, following the Hamfest.

9. Field Day: The site for Field Day has been secured and Bill (WD9ERN) reports that he will be investigating the possibility of securing a generator for the Emergency Vehicle.

10. Thank You! Secretary Lou (KA9-ZQF) wishes to thank everyone who assisted in making the Hamfest a great event! Special thanks to Ron (WS9X) for taking the minutes of the last meeting.

Submitted for approval:
Ron Schaden, WS9X
Mancorad Radio Club Board Member

need you to help us to work for you and your club. We intend to continue to do just that.

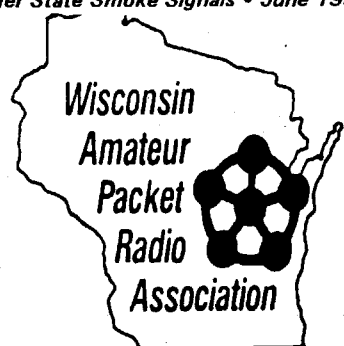
On a different tangent, there are some things we need which would be of great help to us here at BSSS World Headquarters. We need someone to sell advertising. Advertising on these pages will make our printer very happy, because we will be able to pay him his \$335.00 every month. (This issue will cost even more, because it is 20 pages, not the usual 16.) The postage for third-class bulk-rate mail has shot out of sight, too. We now pay almost 20 cents per copy to mail this little rag to you every month.

We could also use someone near the Baraboo-Portage area to assist in typing material into a computer for us. Anyone out there? If you would like to help us (translation: if you are masochistic), latch onto our Chairman/Publisher, Ken Ebner, K9EN, 822 Wauona Trail, Portage, WI 53901. (608) 742-3560. Thanks!

- Jim Romelfanger, K9ZZ

THE BARGAIN MODE
SSB
SELL SWAP BUY
OUR WANT ADS GET RESULTS

WANTED: ARRL Repeater Directories, Editions 1 through 6; 6D4 tubes; all-mode 2-meter transceiver. Dennis G. Eksten, W9SS, 5006 N. Second Street, Loves Park, IL 61111-5809. □



THE WISCONSIN PACKETEER

Wisconsin Amateur Packet Radio Association (WAPR)

William Schroeder, W9ZBD

4247 Forest Point Drive • Rhinelander, WI 54501

Steve Loeffler, WB9ZRE, Editor, 123 W. Oshkosh St., Ripon, WI 54971

WB9TYT BBS & Nodes QRT

On May 5th, Dan - WB9TYT announced that due to health problems, he would be terminating operations of his BBS in Milwaukee as on May 10. He also announced that he would also be terminating operations of his node system on June 1.

Dan's SYSOP retirement came as a shock to packet operators throughout Wisconsin, who replied to his announcement with messages of praise, regrets and thanks for his years of dedication to the Amateur packet community. Dan is one of the "founding fathers" of packet radio in Wisconsin and his dedication to packet communications has been a cornerstone of growth in the state. His BBS and node system was the epitome of quality and reliability, a result of his personal, unselfish attention.

The WB9TYT BBS and node system is now silent, but will remain a benchmark in excellence on which future operations will be compared. Thank you, Dan, for providing Wisconsin packet the use of your equipment and expertise during the first critical years of our growth and expansion.

W.A.P.R. Meeting Notice

The next WAPR meeting will be held during the Stevens Point Swapfest, Sunday, June 14 at 10:00 a.m. The agenda includes the election of officers (new candidates are welcome) and Bob Martin - KA9EOK of Park Falls will present an update of the six meter backbone network. The WAPR meeting will be held in the University Center on Fremont Street at Reserve Street, one block north of Main Street (behind the "old main" building). All interested persons are invited to attend.

Notes from the Chairman

May 20, 1992

This notice is given to inform all interested parties in packet radio in Wisconsin that our network has suffered some serious losses recently in three BBSs closing down. In Milwaukee, the impact may be dramatic because of the loss of WB9TYT.

HOWEVER:

Packet radio is very much alive and growing. Efforts are already underway to continue our normal forwarding links in southeastern Wisconsin.

1. A new link to Upper Michigan / Thunder Bay is in process with KB9AMY and KA9EOK making arrangements.
2. NODAI and others in Minneapolis have just set up three 14.2 / 9.6 kilobaud nodes in Minneapolis and Environs. They plan to locate a 9600 baud node in Prescott this week as part of a plan to link their system to the WAPR six meter backbone.
3. The six meter backbone works fine, except where it has been taken out of service in Waupaca.
4. A new BBS will be on the air in Spooner in a few weeks and we will welcome another newcomer to the world of BBS operations and node operation in Neenah in a short time.
5. La Crosse is presently working on a 220 link to the Minneapolis system and forwards regularly to WB9NTO and W9NNS in Durand and Chippewa Falls. Kent - W9LZQ informs me that they look forward to improved high-

speed links westward very soon.

6. Efforts are also underway in southern Wisconsin to continue forwarding to the Chicago metro area.
7. The six meter equipment once operating in Waupaca will find a new home near Iola.
8. Plans are underway in southern Wisconsin to continue forwarding to the Chicago metro area.
9. A new satellite link will be available to us in Minnesota soon.
10. So, friends, any notice of the death of packet radio or WAPR is clearly an overstatement!
11. These are challenging days, days that offer a lot of openings to anyone with interest and equipment. You should be able to see that all this did not come only from WAPR money.., but from hams who love packet. Why not join the crowd?
12. Another late breaking bit of news! KA9EOK in Park Falls and KB9AMY in Ashland have put a 440 antenna on a new tower in Bayfield so that there will soon be a high speed link from Ashland through Bayfield, Park Falls and from there to Timm's Hill which is part of the six meter backbone.
13. Here we are at lucky thirteen! Things have really begun to grow. This is a wonderful time to make an offer to help get all these efforts on-line. NOW! There's no funeral at WAPR. Packet is very much alive and well in Wisconsin. 14. Please Join us at the WAPR meeting in Stevens Point on Sunday, June 14 for a 10:00 a.m. meeting. See you at the UW-SP University Center on Fremont Street.

Bill Jablonske - W9NNS, Chairman Wisconsin Amateur Packet Radio Association (715) 723-4088

New BBS in Neenah

At 5:00 a.m. on May 24, a new BBS was activated in Neenah, Wisconsin. The new MSYS bulletin board is being run by Terry - KB9CAQ on 145.650 and will be connected into the WAPR backbone in the next couple of weeks. Terry appears to have the "right stuff" as a SYSOP - did you note the time of day when the KB9CAQ-BBS went online?!!

DOVE Two Meters Active Again!

AMSAT announce on May 9 that N4HY has returned DOVE (DO-17) to two meter operations after successfully reloading it using the S-Band transponder. Hardware and software testing will continue.

Pactor News

PacComm is producing a Pactor controller under an exclusive license from the German developers. See the add in this month's issue of 73 Magazine. The list price is \$289.95. NX2P Electronics carries the full PacComm line and has a special introductory price on the Pactor unit. This exclusive license deal probably means AEA and Kantronics won't be able to make Pactor controllers.

Kantronics 5.0 Released

Great news from Kantronics who have released version 5.0 for their KAM and KPC users. The personal mailbox (PBBS) has been enhanced to act like the familiar WORLI as well as the MSYS

BBS systems. This PBBS will now keep track of message types (Bulletin, Private or other) and will also display the status of each message (Forwarded, Read, Held). This means that you can now read your own messages and leave them in the mailbox. The mail waiting indicator only blinks if there is personal mail in the PBBS that you have not already read. In addition, you may connect from another station to your own PBBS and obtain special SYSOP access, allowing you to read, change or delete ANY messages in the PBBS. Even those messages which arrived from other operators can now be reverse forwarded after you, the SYSOP, have released the hold flag.. As SYSOP, you can edit the complete message header of any message. Any message entered into the mailbox using the SB command or the ST command can be read by ANY user. In addition, you can change the type of message, just in case someone enters a message a private message and it should have been a bulletin. Kantronics has even included the ability to eliminate those pesky R: lines you get from messages forwarded into your PBBS from the local full-blown BBS. This means that the messages will take less space in your PBBS, which will allow more messages. In addition to the vast enhancements to the PBBS, Kantronics offers you a unique feature called REMOTE ACCESS. From a remote station you can connect to your PBBS and change any parameter just as if you were at the keyboard at home. Both this feature and the SYSOP access to your PBBS are password protected to exclude unauthorized changes to your system. Great news for KAM OWNERS - AMTOR (Mode A) access to the PBBS has been added as well as all the enhancements listed above!! This means that any message in your mailbox can be accessed either by packet, or through a link on Mode A Amtor. If you set your KAM in AMTOR mode, your PBBS can then be accessed on VHF packet or HF Amtor.

Errol - ZS6KED

Hillsboro Balloon Launch Scheduled

The Hillsboro balloon team is planning its next launch for Saturday, June 20 from Hillsboro, WI. (located between La Crosse and Madison, WI).

The TA-1000 balloon should lift the package at a rate of 1000 feet a minute to an altitude of over 100,000 feet (19 miles).

The package will carry ATV transmitting a video ID for 30 seconds then switching to live B&W video. The camera will be steered from the ground showing ground, horizon, and views of the balloon itself.

The ATV frequency is 439.25 Mhz video with sub-carrier audio, horiz. polarized. a cross-band repeater 144.40 Mhz FM input vertically polarized, 446.00 Mhz output vertically polarized (100 milliwatts).

A10 meter AM transmitter (100 milliwatts) will retransmit the 2 meter uplink and also have a audio ID beacon. The 2 meter uplink will also be retransmitted on the ATV sub-carrier.

The antennas on the package are:

- 2 meter uplink = 1/4 wave ground plane
- 446.00 downlink = 1/4 wave ground plane
- 439.25 ATV = phased little wheels horizontally polarized
- 10 meter down = 1/2 wave vertical dipole

Anyone interested in hunting down the package, can contact K9SB @ W9ZMR.IL.USA.NA or WB9ZRE @ WB9ZRE.WI.USA.NA. (See the May issue of 73 magazine's ATV section for more info).

Tim - K9SB

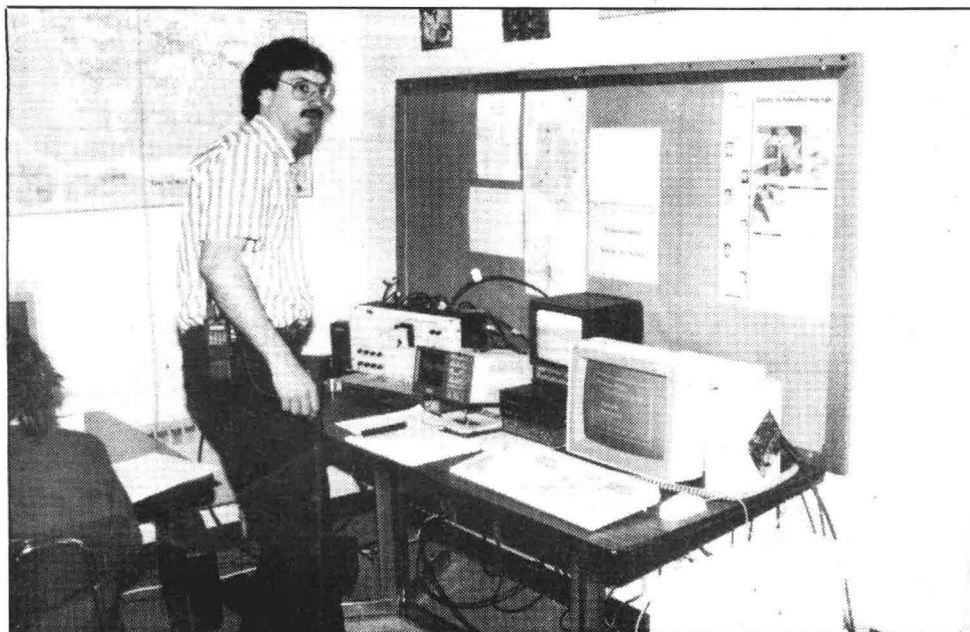
Hard Work, Volunteers Make Dream Flight Wausau Educational and Enjoyable for Wausau-Area Sixth-Grade Students; Brings New Young People into Amateur Radio



Over 100,000 pounds of carbon dioxide were released through the "rocket engines" of the Apollo Condor "space shuttle" to simulate the appearance of a real launch for the six-day educational mission of Dream Flight Wausau. All photos were taken by Frederick Prehn, WX9W.



Special Event Station W9SM was operated on the HF bands during the mission. Shown operating the station are Tony Hermanek, WB9LAI, left, and Reno Goetsch, W9NA.



Dean Andrewjeski, AD9W, worked on the Amateur TV part of the project. He has an ATV repeater on Rib Mountain.

Operation Highlights

- Wisconsin Valley Radio Association (WVRA) Special Event Station W9SM made 310 contacts during the mission. 24 of those were DX QSOs.

- What's next? The Wisconsin Rapids School District is building a space station (named "Freedom," of course). The Apollo Condor will be used to transport personnel to and from the space station. The station is already half-completed.

- The hoped-for contact with the Russian space station MIR did not happen. MIR's orbits did not give any adequate "windows" for a contact.

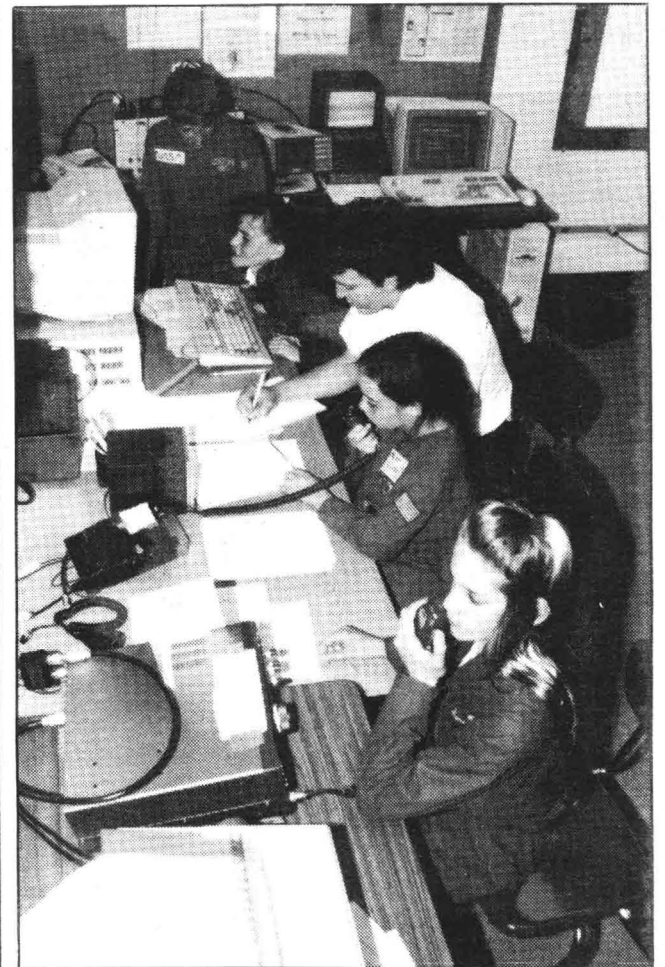
- An upcoming issue of *QST* will carry a much more detailed story about Dream Flight Wausau and ham radio's important part in the project than we will be able to carry here in *BSSS*.

- Frederick Prehn, WX9W, who coordinated all the Amateur Radio activity for the Wisconsin Valley Radio Association was asked if WVRA was interested in helping with the new "space station's" communications. He pondered a bit, then said, "After a summer breather, yes!"

- *BSSS* extends its sincere thanks to WX9W for his invaluable help in getting information and photos to us in time for this issue. He worked hard to expedite our requests.

- *BSSS* congratulates the Wisconsin Valley Radio Association on the success of their part in the project. This was no small task involving an extremely large operation. It involved countless hours of very hard work to make it all come together and work. Amateur Radio was presented in a very positive way to thousands of people.

- We also congratulate the sixth-grade students who, primarily because of the project, became radio amateurs. We understand there will be more to follow. Well done!



A busy place during the Apollo Condor's flight was Mission Control, located at Riverview School. Rich Meyer, KC9NW, in the white shirt, showed his dedication to the project by spending six solid days here, helping the kids sort through an unending flow of traffic.



Amateur Television played a major role in the project. Here, Mike Matakovich, N9IAB, mans the TV camera, while Matt Baumann, N9MNH, adjusts the television gear at the rear of the truck. The ATV signals were transmitted through AD9W's ATV repeater for outlying schools, and the Wausau cable TV system also carried the ATV pictures for in-town schools and all cable-wired homes. The cable system estimated that the operation had more than 30,000 viewers watching Amateur Radio in action.

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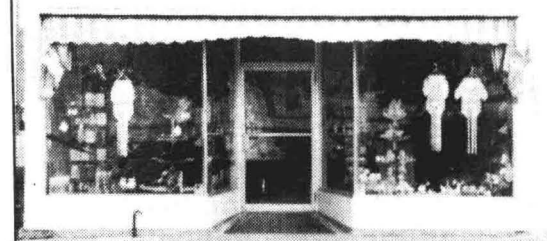
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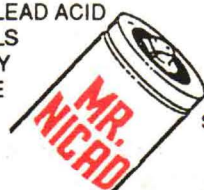
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